

EL MOTAMYEZ - SCIENCE Questions Bank FINAL REVISION

21	Question 01	Choose the corre	ct answers	1000 A
50	Which of the follo	owing is a part of th	e biosphere?	
1	(a) Ice	(b) Clouds	O Animals	d Water
(3)	All the following	are from sources of	water on the Ear	th, except
	aquifers	b ponds	glaciers	molten rocks
3	Presence of dolpl	nins in oceans repre	sents an interacti	ion between
	biosphere –	hydrosphere	b hydrospher	e – <mark>ge</mark> osphere
	hydrosphere	- atmosphere	d biosphere -	- geos <mark>ph</mark> ere
4	The amount of sa	alt water on the Eart	h isthe am	ount o <mark>f f</mark> resh water.
-0.5	larger than	b smaller than	equal to	d half
5	All the following	are saltwater lakes,	except	
36	Lake Assal	b Lake Nasser	Lake Idku	a Lake Bardawil
6	Rocks are broken	down into smaller	particles during	p <mark>ro</mark> cess.
0.1	a photosynthesis	b weathering	erosion	respiration
7	Catfish can surviv	e inwater	environment.	
	salt and still	(b) fresh and fast	salt and current	d fresh and still
(8)	Mosses fish are fo	ound in	current	
	(a) lakes	b Lake Burullus	© streams	d ponds
(9)	Most of fresh wat	ter on Earth is found	in the form of	
34	(a) groundwater	(b) rivers	o glaciers	1 streams
10	Insects lay their e	ggs in systems that	are found in	
2	streams	b ponds	© sea	d rivers
(11)	Weathering of ro	cks by water indicate	tes an interaction	between
	a hydrosphere	and geosphere	biosphere	and hydrosphere
	6 biosphere ar	nd atmosphere	atmosphere	and hydrosphere
12	The Earth's system	m which contains m	ountains is	
7	atmosphere	geosphere	biosphere	hydrosphere
(13)	The number of E	orth's layers that for	m goosphoro is	lavore

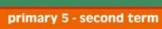
four

© six

(a) two

d eight







14	Wate	er covers nea	rly	of t	he Ear	th pla	anet.		160
750	(1)	1/4	(b)	1/2		©	1/5	(1)	3/4
15	By he	eating of wa	ter it	change	s from .	st	ate tosta	te.	
74-	(a)	solid – liquid.	(b)	liquid -	- solid	0	liquid – gas	(1)	gas – liquid
16	Wate	er is used in a	all th	e follow	ing pur	pose	es, except	•	
	(a)	recreation	(b)	burnin	g	0	bathing		manufacturing
17		e beginning ing	of w	ater cyc	le in na	ture	, watera	nd g	joes into the air
	(a)	freezes – snow.	(b)	evapor clouds.		©	freezes – clouds	(d)	evaporates – snow.
18	Aqua	atic ecosyste	ms ca	an be cla	ssified	into	ecosyste	m ar	decosystem.
	(2)	forest – desert.	(b)	savanna tundra	h –	0	grassland – rainforest.	(d)	freshwater – saltwater.
(19)	All th	ne <mark>fol</mark> lowing		ors affect	ting the	e bre	akdown of pl	astic	
	_	opl <mark>a</mark> stics, exc sunlight		moon		(0)	wind	(1)	sea waves.
20	All th		2000		be use	_		_	i <mark>n s</mark> imple water
Next Concept	-	cotton	(b)	wood		©	charcoal	(1)	sand
21	Whic	h of the follo	wing	is found	betwee	n po	res of rocks be	low E	arth's surface?
	(a) i	ice	(b)	ground	lwater	0	oceans	(d)	water vapour
22						ed to	remove all th	e fol	lowing
at J	(a) :	erials from was small pieces of plastic	(b)	salt disso water		©	small particles	(1)	small pieces of rocks
23			wate	r in <mark>all t</mark> l	he follo	wing	g purposes, ex	ксер	t
3	(a) 1	fishing	(b)	transpo	rtation	0	generating electricity	(d)	weathering of rocks
24	Amo	ng the kinds	of w	etlands/	are				
3	1 65 /	swamps and akes.	(b)	marshes bogs.	and	0	ponds and oceans.	(1)	swamps and estuaries.
25	Seas	and oceans	wate	r meet r	ivers w	ater	at		
	(a)	watershed	(b)	estuary		©	surface canal	(1)	underground
26	Ther	e are many c	once	erns that	threat	en lo	ts of water ar	eas	on Earth such as
	(a)	scarcity and	poor	quality.		(b)	sustainability	y and	d poor quality
0	© 1	poor quality	and	availabil	ity	(1)	availability a	nd q	uality
27)		are form			er colle	_	n low-lying ar	eas.	
	(a) :	Seas	(b)	Lakes		0	Rivers		Oceans



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28		e natural resou anisms is	irce '	which is import	ant t	o the survival	of a	II living
	(1)	soil	(b)	oil	(0)	water		grass
29	The	level of water	in a r	iver may increas	e cau	ısing flooding,	whe	n there is more
30	(3)	rainfall	(b)	wind	(6)	sunlight	(1)	sediments
30	The	moon revolve	es ar	ound Earth und	der ti	ne effect of		
Next Concept	(1)	Sun gravity	(b)	Earth gravity	©	rotation of Earth on its axis	(1)	movement of the moon around Earth
31	As	the mass of th	e ob	ject increases, .		increases.		
20	(1)	its movement	(b)	its force	(6)	its gravity	(1)	its illumination
32		ne dista <mark>nce</mark> be vityb		en the moon ar een them.	nd Ea	rth is doubled	l, the	
	1	increases		vanishes		decreases	(d)	doesn't change
(33)	Ob	ject <mark>moves un</mark>	der t	he effect of	fo			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2	4	pull and push			0	revolving and push	(1)	pull and attraction
(34)	-			per clips is an e		7		
	(1)	needs force	(b)	has a force	(0)	loses force		gains force
35)	If th			doubled,				
	(3)	its distance a doubled	way	from Earth is	(b)	the moon ma	ау сс	ollide with Earth
	0	it attracts Ea				it goes away		
36		tion, this is be	caus		sually			
	(1)	acts in the sam motion.	e aire	ection of their	(b)	acts with their strength and d		
	©	acts in opposite motion.	e dire	ction to their	(1)	increases their direction.	moti	on in the opposite
(37)	Wh	en throwing a	an ol	oject up, it				
	(1)	of gravity.		th under effect	(b)	floats in space gravity.	beca	use there is no
	0	gravity is equa		air) because its		moves fast tow	ards	space.
38		2000 CO. (1900 Co.) (1	eated	between two	attac	hed surfaces	lead	ing to slow
	(1)	pushing	(b)	dragging	0	friction	(1)	pulling
39	The	e force affectir	ng th	e moon to orbi	t the	Earth is	50	
	(a)	Earth gravity	(b)	Sun gravity	(0)	moon gravity	(d)	Earth magnetism

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40	Parachute helps in				
0	increasing the velocity of object	slowing down the velocity of object			
	decreasing the air resistance against	increasing the drag of object in the			
~	the falling object	direction of gravity			
(41)	Magnet has the force of attracting	metals such as			
	iron and aluminium and copper	silver and aluminium and gold silver			
42	A table stands on the ground need	sto move.			
	a sunlight b mass	© force d air			
43	Which of the following objects has	the least attraction force?			
Next Concept	The moon	The Sun			
	The idea of sundial depends on				
Lung!	formation of shadows	(b) rotation of object around its axis			
	© the apparent movement of the sun	falling of objects under the effect of gravity			
45	Planets continue revolving around the	sun in fixed orbits under the effect of			
	Earth gravity	© Planets gravity d Moon gravity			
46	Succession of day and night is due	to			
5.8	revolution of the moon around the Earth.	revolution of the Earth around the Sun.			
	c rotation of the moon on its axis.	orotation of the Earth on its axis.			
47	At midday, the sun is located				
	from your left side.	above your d in front of you.			
48	The reason of seeing the apparent although they are not changing the				
	a the rotation of the moon on its axis.	the apparent motion of the sun every day.			
	of the sun.	revolution of Earth in an elliptical orbit around sun.			
49	Heat and light energies of the sun i	esult from			
17.J	explosion of the extremely hot gase inside the sun.	s (b) the apparent of the sun motion daily.			
	revolution of Earth in an elliptical orbit around the sun.	revolution of the moon around Earth in front of the sun.			
50		he sky is considered evidence that			
	a they are composed of extremely hot gases.				
	they belong to our solar system.	d they are from the followers of the sun.			





7	We canno	t drink	the	water c	of seas					
			3000							
6	There are	no livii	ng or	ganism	s live in	the l	nydrosphere.			1
5	Water ma	kes abo	out tv	vo-thir	ds of hu	man	body.			(
0	We can di	ink the	wat	er of La	ake Assa	al.				(
3	Wells and	spring	s obt	ain the	ir wate	r from	aquifers.			20
2)	If there is	no hyd	lrospl	nere, th	ne biosp	here	will not exist.			(
1)	Microplas aquatic lif		large	e plasti	c pieces	whic	h can harm o	cear	is and	(
	Question	02	PU	T (√)0	R(×)					
	a heat	only.	(b)	light o	only.		heat and light		heat and	sound.
	and th	e Sun.	(b) that (the Ear	th.		The Sun only. amount of		The Earth	only.
			e(s) a		enter of		solar system.	1		
)	At the beg illuminate a cresce	d at			ase.		see the edge of	of th	e moon is new mo	
2/	(a) year		(b)	week		0	month	d	day	
)			_	faraw unar			too small ete one cycle		t <mark>o</mark> o large and the E	
)	_		astro (b)			_	because they	_		
1	(a) one s			one p			one moon	_	no stars	
)	Our solar	system	cont	ains				Z.		
	(a) moon		_	stars		_	planets	-	satellites	
				36	the sky	at nic	of their gravition That give of		at and ligh	t.
	the sur		at into	o space.		(1)	planets will exp	plode		
	(disappea planet	r), thi s will mo	s will		·		s of solar syst			
	Earth			Sun		©	Moon	(1)	Jupiter	
	gravity of			1 V	7	, iixe	-040		1 970	
)	Planets of	the so	ar sv	stem re	volve ir	TIXE	a orbits undei	rthe	effect of	

0			
9	Leeches live on the surface of pond water	(
10	Earth's systems interact with each other.	1)
11	Waterfalls are part of atmosphere.	()
12	Atmosphere and hydrosphere affect water cycle.	()
13	A glacier contains mixture of fresh water and salt water	1)
14 Next Con	Lakes have fresh water only.	()
15	Cotton can be used as a filter to remove waste materials from water. Valleys can be formed by rivers due to fast movement of river's	C)
	water.	())
17	Some human activities are responsible for water pollution Building factories is from human strategies to control and conserve fresh water.	1)
19	Dams can be used to filter polluted water to use again		
20	You can conserve water by leaving the tap open during brushing your teeth	()
21	Upstream is the place where a river starts.	()
22 23	The type of water in wetlands is salt water only. High quality of fresh water leads to the death of marine organisms	()
24	live in it. Scarcity and conservation of fresh water are two main risks that threaten fresh water on Earth	()
25	All living organisms need water to survive.	()
26	Generating electricity is from the uses of water.	()
27 Next Conc	When fresh water is polluted, it becomes drinkable.	()
28	Earth revolves around the sun in a fixed path.	()
29	All objects on Earth's surface are affected by magnetism force.	()
30	Magnetism is the force that attracts metals.	(9
31	Any object on Earth's surface is affected by repulsion force of gravity	()
32	The orbit of each planet has an elliptical shape.	()
33	Air resistance is a factor that speeds up the falling objects toward the Earth.	1)
34	Gravity pulls objects toward the centre of Earth	()
35	The scientist Nicolaus Copernicus stated that Earth revolves around the Sun.	1)

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36	There is no air in space, so air resistance slows down the movement of objects through space. (
37	Air resistance is a type of pulling force. (
38 39 Next Contra	The direction and mass of an object are changed due to gravity. (After leaving a squeezed spring, it has no force to return back to its original state. (
60	The moon phases occur due to the rotation of Earth on its . (
41	We can observe the Sun and the moon at night. (
42	At the beginning of the day, the Sun appears in the west direction (
43	Our solar system contains eight planets. The scientist Copernicus proved that the Earth is the center of the solar system. (
45	The moon has only one phase during the lunar month.
46	Superhot gases of the Sun burn producing heat and light energies. (Earth's revolution around the Sun causes day and night phenomenon. (
48	The Sun is necessary for continuity of life on Earth. (The cycle of the moon phases repeated at the beginning of lunar month. (
	Question 03 Complete the following sentences using words between brackets
① ② ③	A rat that digs a burrow in the soil is an example of the interaction between biosphere and [hydrosphere – geosphere] The Earth's system that includes all living organisms is called [biosphere – atmosphere] Water runs across the land is an example of an interaction betweenand geosphere. [biosphere – hydrosphere]
4	When a river meets a sea,is formed. [estuary – lake]
5 6	The large sheet of ice or snow that moves slowly over Earth's surface is known as [glaciers – hydrosphere] The scientists who study water on Earth are called
7	[hydrologists – astronauts] Water is responsible for weathering andof rocks. [evaporation – erosion]
8	Abyssal zone in the ocean is a dark area ascannot reach it. [sunlight – sound]

Starfish and Moses fish live in [oceans – ponds]



The amount of fresh water on Earth isthan the amount of salt water. [more - less] 97% of Earth's water is [freshwater – saltwater] In high Dam, water used to generate [electricity – light] (13) The run out ofcauses wells to become dry. [groundwater – runoff] (14) We must take a quick shower to conserve ...,.. [saltwater – freshwater] To conserve water, we canthe time of washing our hands. (15) [increase – decrease] (16)Some human activities may cause water [erosion – pollution] An area of land where all the water flows to a common location is called (17) [lake - watershed] Deltas are formed by the deposit of sediments at the end of (18) [underground - river] The extinction of some species that live in fresh water is due to the poor (19)of fresh water. [quality – source] When the water is stored in the cracks and spaces of underground rocks, 20is formed. [estuary – groundwater] The land that is partially covered with water is called (21) [wetland - lake] Human canwater to recycle wastewater to be used again. (22) [freeze - filter] (23) Clear water can be polluted if it is mixed with [mud – salt] (24) Groundwater is replaced by [air - rains] The direction of the Earth's gravity is always towardof the Earth. (25) [poles - center] (26) Any object hasdepending on its mass. [gravity - work] (27) Planets revolve around the Sun inorbit. [triangular – elliptical] (28) The force of gravity is alwaysforce. [magnetic – pulling] The force that opposes the movement of objects as they pass through air (29) is called [air resistance – gravity] The force that slows down the movement of objects across solids, liquids (30) or gases is called [magnetism – friction] When a girl moves down a slide, this is due the force of (31) [moving - gravity]

Without the force of gravity, the moon wouldoff into space.

[sink - float]

(32)



33	Earth is pulling the moon, keeping it in itsaround Earth [orbit – circle]	1.	
34	Magnetism is a force that attracts objects. [metal – n	on-meta	IJ
35	Force may be push orthe object to make it move. [pull -	repel]	
36	The gravity of the Moon affects the phenomenon of ocean [waves – tides]		
37	A person can control the speed of his bike by usingto its movement. [magnet - brakes]		wn
38	When the distance between the moon and the Earth increase gravitational attraction between them	s, the	
39	The group of stars that make a certain shape in the sky is called [constellation – Sun]	ed	
40	The Earth spins around its axis once every [30 days – 24 he	ours]	
41	The half of Earth that doesn't receive any light has[day – nig	ght]	
42	The fastest planet on its axis is [Earth – Jupiter]		
43	Ancient Egyptians used to know the time. [sunset – sun	dial]	
44	Constellation is one of the most famous constellations in the [Orion – Milky Way]	he sky.	
45	The Sun appears as it rises in east direction and sets in	direction	1.)20
46)	In the early morning the Sun would be atdirection. [e	east – sou	uth]
	Question 4 Write scientific term for each of the following	owing	
1	A type of water which represents 3% of water area on the Earth's surface	t)
2	The process in which the small particles of rocks are transported from a place to another	(p)
3	Areas of the ocean which contain coral reefs and intertidal zones.	(
4	The frozen water part of the hydrosphere.	(30)
5	The plastic particles that result from the breakdown of large plastics.	()
6	The water bodies that surround the continents.	(35 D)
7	It is a system that includes all living organisms such as microorganisms, plants, animals and humans	4 ())

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8	It is a system that includes all the gases that surround the Earth.	6.45)
9	They are very deep areas in oceans that sunlight cannot reach.	(8)
10	It a large region of the world that has similar soil, climate, plants and animals.	170)
11	A cycle shows the continuous movement of water from the Earth to the atmosphere then to the Earth again.	(ر (
12	The area of the coast that disappears underwater at the high tide and appears at the low tide.	1)
13	The process of breaking down of rocks into smaller particles due to the effect of wind, water or temperature.	()
14	A water body that is surrounded by land		3)
15	A type of pollution which occurs as a result of throwing waste in rivers and seas	(8)
16	A triangular shaped area of mud and other sediments that forms when a river meets a sea	e .	3
17	It is an area of land where all the water flows to a common location usually an ocean, a sea or other large water bodies	1)
18	It is a land area which is partially covered with water	1)
19	The large water body that is surrounded by land	())
20	A building established across a river which can hold water behind it.		7)
21	The type of water which is found in seas and oceans)
22	A type of water which is suitable for drinking.	1)
23	The force of attraction that changes the direction of a moving object in air towards the ground	()
24	It is a pull or push that affects an object	()
25	An invisible force that attracts metal objects to the magnet.	(J)
26	The Sun and eight planets revolving around it.	()
27	A phenomenon takes place in oceans and seas due to the gravity of the moon	(4))
28	The force that slows down the movement of objects through air.	100	j
29	The tool that is used by skydivers to slow his drop.	(35))
30	A celestial body that orbits the Earth	()



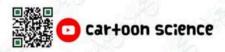
31	The change of an object position when force acts on it.	65)
32	The force between two objects that don't touch each other	1	1
33	The force between two objects that touch each other	(3))
34	They are giant spheres of superhot gases most of them are hydrogen and helium.	(()
35	A dark object that revolves around Earth and reflects the sunlight falling on its surface	())
36	An imaginary line that passes through the two poles of Earth.	((1)
37	The sun and eight planets revolving around it.	())
38	It is a group of stars, planets and gases held together by gravity.	7	*)
39	The law which states that the force of gravity is constant and acts on all object in the same way.	1 250)
40	The orbiting of Earth around the Sun	()
41	It is a medium-sized star that provides Earth with heat and light	(J)
42	The dark celestial bodies that revolve around the Sun in fixed orbits	(1
43	A constellation appears in the sky as a mythical hunter.	6)
1	Question 5 correct the underlined word		
1	During the water cycle, water evaporates forming rains.	(43)
2	When rain falls on soil, this represents an interaction between biosphere and geosphere	(-)
3	Nitrogen in the air is a part of geosphere.	()
4	As water covers ¾ of the Earth's surface, our planet appears in white colour from space	(p)
5	When the fresh water of a river meets the salt water of a sea, runoff is formed.	ſ	1
6	During the water cycle in nature, water evaporates forming rains	(4))
7	The <u>atmosphere</u> includes all forms of water on Earth.	j (*))
8	Frogs lay their eggs in <u>running</u> water, so the eggs will not move away	(35))
(9)	Throwing waste materials in seas and oceans causes air pollution	1	- 1



Science	Questions I	Bank		المتم
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Fresh water forms about 97% of water on Earth.	(S))
Planets orbit Earth due to the gravity between them	(9)
Earth pulls objects towards its moon	(3)
The gravity of the Sun affects the ocean tides	5 ()
The gravity force of Earth to a person in a flying airplane is equal to that when the same person stands on the ground),
The Earth locates at the center of the solar system	1)
The planets revolve around the Sun in fixed <u>rectangular</u> orbits	(36)
Earth attracts the <u>Sun</u> to move around it.	1	2)
If the mass of the moon <u>decreases</u> , its gravity force will increase.	(38	2)
The Sun forms the shorter shadow of an object at <u>the</u> morning.	r) () () () () () () () () () (
The Earth spins around its axis once every 20 hours.	1)
Constellation consists of a group of planets that form a pattern	10	()
Every night, new stars appear from west.	()
Jupiter revolves around the Sun in a <u>rectangular</u> orbit	()
The phenomenon of <u>four seasons</u> occurs due to rotation of Earth on its axis.)
First phase of moon phase appears at the beginning of each lunar month	(/ 2)
Phase of moon which appears in the half of the lunar month)
Phase of moon which appears in the last day of the lunar month	()
The moon phase at which moon seems completely dark)
Question 06 Give reason for each of the following		
Not every water sources is used as drinking water.		
No green plants can survive in the abyssal zones of oceans.	32	6
Mosquitoes lay their eggs in ponds.	5	ar St
	Planets orbit Earth due to the gravity between them Earth pulls objects towards its moon The gravity of the Sun affects the ocean tides The gravity force of Earth to a person in a flying airplane is equal to that when the same person stands on the ground The Earth locates at the center of the solar system The planets revolve around the Sun in fixed rectangular orbits Earth attracts the Sun to move around it. If the mass of the moon decreases, its gravity force will increase. The Sun forms the shorter shadow of an object at the morning. The Earth spins around its axis once every 20 hours. Constellation consists of a group of planets that form a pattern Every night, new stars appear from west. Jupiter revolves around the Sun in a rectangular orbit The phenomenon of four seasons occurs due to rotation of Earth on its axis. First phase of moon phase appears at the beginning of each lunar month Phase of moon which appears in the half of the lunar month Phase of moon which appears in the last day of the lunar month The moon phase at which moon seems completely dark Question 06 Give reason for each of the following Not every water sources is used as drinking water.	Planets orbit Earth due to the gravity between them Earth pulls objects towards its moon The gravity of the Sun affects the ocean tides The gravity force of Earth to a person in a flying airplane is equal to that when the same person stands on the ground The Earth locates at the center of the solar system The planets revolve around the Sun in fixed rectangular orbits Earth attracts the Sun to move around it. If the mass of the moon decreases, its gravity force will increase. The Sun forms the shorter shadow of an object at the morning. The Earth spins around its axis once every 20 hours. Constellation consists of a group of planets that form a pattern Every night, new stars appear from west. Jupiter revolves around the Sun in a rectangular orbit The phenomenon of four seasons occurs due to rotation of Earth on its axis. First phase of moon phase appears at the beginning of each lunar month Phase of moon which appears in the half of the lunar month Phase of moon which appears in the last day of the lunar month The moon phase at which moon seems completely dark Ouestlon 06 Give reason for each of the following Not every water sources is used as drinking water.

4	Our planet looks like a blue marble from the space.
5	Some ponds and lakes may dry up during some months.
6	Hiding of ants inside the soil is an example of an interaction between two Earth's spheres
7	The kind of water in oceans differs from that in rivers.
8	Recycling the plastic bottles is better than throwing them in seas and oceans.
9	More than 50% of known living organisms live in the aquatic environments
10	Scientists tend to preserve freshwater sources on Earth.
11)	Groundwater is called by this name.
12	Deltas are formed at the river's end.
13	The quality of fresh water affects the life of living organisms live in it.
14	The force of gravity has an important role in the solar system.
(15)	Gravity of Earth is greater than gravity of the moon. A metallic ball reaches Earth's surface before a feather when they fall from
(16)	A metallic ball reaches Earth's surface before a feather when they fall from the same place at the same moment.
17	The moon moves around the Earth.
(18)	The atmosphere is kept around the Earth.



19	The Sun appears larger and brighter than other stars.
20	Atmosphere limits the using of some telescopes to see distant celestial bodies.
21)	Stars appear bright in the sky at night.
22	Occurrence of seasons on Earth.
0	
23	Moon has different phases during its rotation around lunar month
24	Although Earth rotates on its axis, we don't feel its movement.
\	Question 07 What happens if ?
1	Plants can't get carbon dioxide gas from air.
2	The egg of a frog if it lays its eggs in a river instead of a pond.
3	The state of water when it is subjected to extreme cold weather.
4	Fresh water of a river when it meets the salt water of a sea.
(5)	Aquatic organisms eat pieces of plastics instead of their real food.
6	We compare the rainforest biome with the desert biome.
7	Animals that live in lakes if they dry up.
8	The state of water when it is subjected to extreme hot weather.
9	People don't conserve fresh water.
10	Water is collected in a low-lying area.



11	The quality of fresh water becomes poor.
12	The river water meets the sea water.
13	The rate of rainfall increases on a river.
14	The gravity of the Sun if its mass decreases than it is now.
15	A metal ball and feather are fallen down from a tower.
16	The planets if the Sun has no gravity.
17	There is no gravity on Earth.
18	The distance between the moon and Earth increases to twice.
19	The mass of the moon decreases to half.
20	Earth stops spinning on its axis.
21)	The shadow of an object if the Sun locates at east or west in the sky
22	Stars are not made up of hot gases.
23	The Sun moved farther away from Earth.
24	The moon completes one revolution around Earth

Question 08

cross the odd word

- Water oxygen nitrogen carbon dioxide.
- Rivers rainwater gulfs groundwater
- Streams Ponds Rocks Rivers
- Water − sand − soil − rocks
- Ponds oceans rains glaciers
- 6 Nile River Ocean Lake Assal Sea.
- Crescent full moon earth new moon





Question 09

Complete the following using words between brackets



	[fresh - clouds - crust - salt - mantle - raining]
1	The Earth consists of 4 layers which are the, theand outer and inner core.
2	Most lakes havewater, while some other lakes have
3	During the water cycle in nature, water evaporates forming, then it returns back to the Earth's surface during
	2
[1	Hydrosph <mark>er</mark> e- low - aquatic organisms - sunlight - high - water - wind - biosphere - saltwater]
1	Intertidal zone is the area along the ocean between thetide andtide.
2	Rainwater is needed for plant growth, this is an interaction between two Earth's spheres which areandand
3	Tiny particles of plastic enter food chains wheneat them.
4	Sea waves,andbreak down plastic materials into smaller particles.
3	Hydrologists study the movement ofacross the Earth.
	3
[filt	ter – sand <mark>– harmful –valleys - drought – charcoal- deltas – solid – decrease</mark>]
1	When the rate of rainfall decreases, the level of water in rivers will
2	Human canwater to recycle wastewater to be used again.
3	Water filters are used to removematerials from polluted water.
(Cotton,andcan be used in making a simple water filter.
5	Glaciers are sources of fresh water which have astate of matter.
6	When the speed of water stream becomes high, it can erode deep





4

A			that acts against the				
	force of Earth.						
	The Sun locates at the center ofdue to gravity.						
Ma	ignet can attract some objects	by a	force called				
	r resistance is a type of						
	w of motion states that the fo	rce of	gravity is and acts on all				
[E	arth's r <mark>ev</mark> olution – axes – ce	enter (of the sky – speed – axis - Earth]				
Th	e plan <mark>et</mark> s of the solar system r	otate	on theirat different				
ln ·	early <mark>m</mark> orning the Sun appear	s in	while at noon it appears i				
	4.0						
	Question 10 Match	<u>} </u>					
	Question 10 Match						
	Question 10 Match		(B)				
1		(a)	19 to (1901)				
1 2	(A)	(a) (b)	Contain mixture of fresh water and				
1 2 3	(A) Geosphere	(a) (b) (c)	Contain mixture of fresh water and salt water.				
1 2 3	(A) Geosphere Atmosphere	(a) (b) (c) (d)	Contain mixture of fresh water and salt water. Contain salt water only.				
1 2 3	(A) Geosphere Atmosphere		Contain mixture of fresh water and salt water. Contain salt water only. Contain rocks and heavy metals. Contain oxygen and nitrogen				
1 2 3	(A) Geosphere Atmosphere	(a) (b) (c) (d)	Contain mixture of fresh water and salt water. Contain salt water only. Contain rocks and heavy metals. Contain oxygen and nitrogen				
1 3	(A) Geosphere Atmosphere Oceans	(a) (b) (c) (d)	Contain mixture of fresh water and salt water. Contain salt water only. Contain rocks and heavy metals. Contain oxygen and nitrogen gases				
1 2 2	(A) Geosphere Atmosphere Oceans (A) (A) Shallow areas of oceans		Contain mixture of fresh water and salt water. Contain salt water only. Contain rocks and heavy metals. Contain oxygen and nitrogen gases (B)				
1 2 3	(A) Geosphere Atmosphere Oceans		Contain mixture of fresh water and salt water. Contain salt water only. Contain rocks and heavy metals. Contain oxygen and nitrogen gases (B) humans				

3

(A)	(B)	(B)		
Oceans	Contain fresh water or sa	alt water.		
2 Lakes	Contain salt water only.	7. P. S.		
3 Rivers	Contain mixture of fresh salt water.	water and		
4 Estuary	Contain fresh water only	160		

4

(A)	(B)		
Mosses	Earth		
2 Dolphins	Live in fresh water		
3 The word 'Geo' refers to	Live in salt water		

5

(A)		(B)		
1 Force		a	is a change of an object position due to a certain force.	
2 1	Magn <mark>et</mark>	(b)	is the center of solar system.	
3 1	The Sun	0	Attracts metals objects.	
4	Motion		Is a push or pull that affects an object.	

6

(A)	(B)
1 Jupiter	is the center of the solar system.
2 Earth	is the fastest planet on its axis
3 The Sun	is the planet that completes one cycle on its axis in 24 hours

Question 11

Answer The Following questions

Study the opposite figures then complete the following sentences:









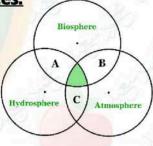
Figure (1)

Figure (2)

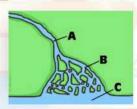
Figure (3)

Figure (4)

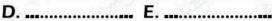
- Figure (.....) is considered an interaction between hydrosphere and biosphere.
- Figure (.....) is considered an interaction between geosphere and biosphere.
- Figure (.....) is considered an interaction between atmosphere and biosphere.
- Figure (.....) is considered an interaction between atmosphere and geosphere.
- Study the opposite figures then complete the following sentences:
 - Area (.....) represents evaporation of water.
 - Area (.....) represents a green plant release oxygen gas in the air.
 - Area (....) represents an animal than drink from lake.



- Study the opposite figures then complete the following sentences:
 - Water in area (......) is a mixture of salt and fresh water.
 - Water in area (......) is fast enough to carry sediments easily.
 - Water in area (.....) is fresh water while water is salty in area (.....).



- Study the opposite figures then answer the following questions:
 - (1) What is the name of the following model?
 - 2 What is the importance of this model?





Look at the opposite figure then choose the correct answer from those between brackets:

- The force that causes skydivers to move down is called

 (gravity of Earth gravity of moon gravity of Sun)
- When skydivers open their parachutes they are attracted to.....

 (Earth's center moon's surface the sky)



6 Look at the opposite figure then choose the correct answer.

- (plastic paper clips metal paper clips)
- Magnet has a kind of...... Force . (visible – invisible)



Study the opposite figures then complete the following sentences:

- The following figure represents constellation.
 (Orion Scorpion)
- Stars in constellation are to each other at all.
 (Connected not connected)
- The position of Stars in constellation

 (changes doesn't change)
- You can see different constellations in winter than in summer due to earth

 (revolution rotation)



انتهت الأسئلة مع اطيب الامنيات بالنجاح والتوفيق



Model Answers

science

second term final revision



MRS .Alaa Hesham MRS. Amira Ahmed

CARTOON SCIENCE







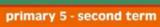


EL MOTAMYEZ - SCIENCE Questions BankFINAL REVISION

	FINAL REVISION	
Question 01	Choose the correct answers	to the

	Which of the follow	ing is a part of th	e biosphere?	30 45		
1	(a) Ice		© Animals	d Water		
	All the following are			arth, <u>except</u>		
2	aquifers (ponds	glaciers	d molten rocks		
(3)	Presence of dolphins	s in oceans repre	sents an interac	tion between		
	a biosphere - hyd	<u>Irosphere</u>	b hydrosphe	ere – g <mark>eo</mark> sphere		
	hydrosphere – a	atmosphere	d biosphere	– geosphere		
4	The am <mark>o</mark> unt of salt v	vater on the Eart	h isthe an	nount of fresh water.		
	a larger than) smaller than	equal to	d half		
(5)	All the following are	saltwater lakes,	except			
1	(a) Lake Assal	Lake Nasser	Lake Idku	Lake Bardawil		
6	Rocks are broken do	wn into smaller	particles during	process.		
38	a photosynthesis	weathering	erosion	respiration		
7	Catfish can survive in	nwater				
y	a salt and still	fresh and fast	salt and current	d fresh and still		
(8)	Mosses fish are foun	d in				
	(a) lakes (b)) Lake Burullus	© streams	d ponds		
9	Most of fresh water	on Earth is found	in the form of .			
6	(a) groundwater (b)) rivers	@ glaciers	d streams		
10	Insects lay their egg	s in systems that	are found in	W		
27	(a) streams (b)	ponds	© sea	d rivers		
(11)	Weathering of rocks			n between		
S.	a hydrosphere an	d geosphere	biosphere	and hydrosphere		
	biosphere and a		atmosphe	re and hydrosphere		
12	The Earth's system v	which contains m	ountains is			
	atmosphere (geosphere	o biosphere	d hydrosphere		
13	The number of Earth's layers that form geosphere islayers.					
	(a) two	four	© six	(d) eight		







14	Wat	er covers nea	irly	of t	he Earl	th pla	anet.		185
750	(1)	1/4	(b)	1/2		©	1/5	(1)	3/4
15	By h	eating of wa	ter it	change	s from .	st	ate tosta	te.	
2	(3)	solid – liquid.	(b)	liquid -	solid	0	<u>liquid – gas</u>	(1)	gas – liquid
16	Wat	er is used in a	all th	e followi	ing pur	pose	es, <u>except</u>		
	(1)	recreation	(b)	burning	3	0	bathing		manufacturing
17		he beginning ning	of w	ater cyc	le in na	ture	, watera	nd g	joes into the air
	(1)	freezes – snow.	(b)	evapora	ates –	©	freezes – clouds	(1)	evaporates – snow.
18	Aqu	atic ecosyste	ms ca	an be cla	ssified	into	ecosyste	m ar	decosystem.
	(3)	forest – desert.	(b)	savanna tundra	h –	0	grassland – rainforest.	(d)	<u>freshwater –</u> saltwater.
(19)	All t		facto		ing the	e bre	akdown of pl	astic	
(19)	_	rop <mark>la</mark> stics, <u>exc</u>				_	AC 6	_	
	1 M/2-100	sunlight	200	moon	bous	_	wind	_	sea waves.
20		r, <u>except</u>		eriais car	i pe use	eu to	iller wastew	atei	i <mark>n s</mark> imple water
Next Concept	-	cotton	(b)	wood		©	charcoal	(1)	sand
21	Whi	ch of the follow	wing	is found	betwee	n po	res of rocks be	low E	arth's surface?
	(a)	ice	(b)	ground	<u>lwater</u>	0	oceans	(1)	water vapour
22		<mark>d, charcoal ar</mark> erials from wa				ed to	remove all th	e fol	lowing
	(3)	small pieces of plastic	(b)	salt disso		©	small particles of mud	(d)	small pieces of rocks
(23)	Hun		wate	<u>water</u> er in all th	ne follo	wine	g purposes, ex	xcep:	
	(a)	fishing	(b)	transpo		_	generating electricity	(1)	weathering of rocks
24	Amo	ong the kinds	of w	etlands	are				
3	(3)	swamps and lakes.	(b)	marshes bogs.	and	0	ponds and oceans.	(1)	swamps and estuaries.
25	Seas	and oceans	wate	r meet ri	ivers w	ater	at		
<u> </u>	(1)	watershed	(b)	estuary	D z	0	surface canal	(1)	underground
26)	The	re are many c	once	erns that	threat	en lo	ts of water a	eas e	on Earth such as
	_	scarcity and	1000	100		_		8	d poor quality
0	(0)	poor quality					availability a		uality
(27)			_		er colle	_	n low-lying ar	-	
	(1)	Seas	(b)	Lakes		(0)	Rivers		Oceans





28		ural resoums is		which is import	tant t	o the survival	of a	ll living
	(a) soil		(b)	oil	(0)	water	(1)	grass
29	The leve	of water	inar	iver may increas	e cau	ısing flooding,	whe	n there is more
190	a rair	<u>nfall</u>	(b)	wind	(6)	sunlight	(1)	sediments
30	The mod	on revolve	es ar	ound Earth un	der ti	ne effect of		
Next Concept	Sun	gravity	(b)	Earth gravity	0	rotation of Earth on its axis	(1)	movement of the moon around Earth
31	As the n	nass of th	e ob	ect increases, .		increases.		
30	(a) its m	novement	(b)	its force	©	its gravity	(1)	its illumination
32				en the moon ar een them.	nd Ea	rth is doubled	l, the	
	(a) inci	reases	(b)	vanishes	©	decreases	(1)	doesn't change
(33)	Object r	noves un	der t	he effect of	fc			
245	(a) pull	and push	(b)	pull and drag	©	revolving and push	(d)	pull and attraction
34	Magnet	attracting	g pap	oer clips is an e	vider	nce that magn	et	
	(a) nee	ds force	(b)	has a force	0	loses force	(1)	gains force
35	If the m	oon's mas	ss is c	doubled,				
		dist <mark>ance</mark> a ibled	way	from Earth is	(b)	the moon ma	ау со	llide with Earth
	it at	ttracts Ea	rth		(1)	it goes away	fron	n Earth
36	motion,	this is be	caus	veen objects use that force ection of their	sually	acts on slow		
	(a) mot		e dire	ection of their	(b)	strength and d		
lo l	© acts mot		e dire	ction to their	(1)	increases their direction.	moti	on in the opposite
37	When th	hrowing a	an ob	ject up, it				
B	ofg	ravity.		th under effect	(b)	floats in space gravity.	beca	use there is no
		gs (suspend vity is equal		air) because its	(1)	moves fast tow	ards	space.
38	A force	that is cre	ated	between two force.	attac	hed surfaces	leadi	ing to slow
	pus	hing	(b)	dragging	0	friction		pulling
39	The force	e affectin	g th	e moon to orbi	t the	Earth is		
	(a) Eart	h gravity	(b)	Sun gravity	0	moon gravity	(1)	Earth magnetism





		حمود سعید
40	Parachute helps in	
780	increasing the velocity of object falling to the ground	b slowing down the velocity of object falling to the ground
	decreasing the air resistance against the falling object	increasing the drag of object in the direction of gravity
41	Magnet has the force of attracting r	metals such as
	a iron and nickel aluminium and copper	silver and aluminium and gold silver
42	A table stands on the ground needs	sto move.
	a sunlight b mass	6 force d air
43	Which of the following objects has	the least attraction force?
Next Concept	The moon	© The Sun @ The magnet
(44)	The idea of sundial depends on	
Village M	a formation of shadows	b rotation of object around its axis
	c the apparent movement of the sun	falling of objects under the effect of gravity
45	Planets continue revolving around the	sun in fixed orbits under th <mark>e</mark> effect of
	(a) Earth gravity (b) <u>Sun gravity</u>	© Planets
46	Succession of day and night is due t	
3.8	revolution of the moon around the Earth.	revolution of the Earth around the Sun.
6	c rotation of the moon on its axis.	d rotation of the Earth on its axis.
47	At midday, the sun is located	
25 T	from your right side from your left side.	e above your head. d in front of you.
48	The reason of seeing the apparent is although they are not changing the	
	a the rotation of the moon on its axis.	the apparent motion of the sun every day.
3	e rotation of Earth on its axis in front of the sun.	revolution of Earth in an elliptical orbit around sun.
49	Heat and light energies of the sun r	esult from
	explosion of the extremely hot gase inside the sun.	b the apparent of the sun motion daily.
	revolution of Earth in an elliptical orbit around the sun.	revolution of the moon around Earth in front of the sun.
50	Stars 'illumination and shinning in t	he sky is considered evidence that
	a they are composed of extremely hot gases.	

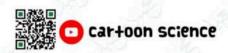


they belong to our solar system.

they are from the followers of the sun.

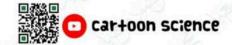


(51)	Planets of the so gravity of	lar system revolve i	n fixed orbits unde	r the effect of
	Earth	(b) Sun	© Moon	d Jupiter
52	If the gravity bet	ween the sun and p		
		ove directly towards	b planets will att	tract to each other.
	© planets will flo	oat into space.	planets will ex of their graviti	plode under the effect es.
53	We can see thous	ands ofi <mark>n the</mark> sky	<mark>rat night that give</mark> o	ff heat and light.
	@ moons	b stars	planets	d satellites
54	Our solar system	contains		
7/	a one star	one planet	© one moon	1 no stars
55	We cannot send	astronauts to study	stars because they	y are <mark></mark>
18	so cold	b <u>faraway</u>	© too small	100 large
56	The moon takes	one lunar to	complete one cycle	around the Earth.
	year	(b) week	© month	day
57	At the beginning illuminated at	g of lunar month we phase.	e can see the edge	of the moon is
	a crescent	(b) gibbous	© full moon	new moon
(58)		te(s) at the center o	f our solar system.	
	The moon and the Sun.	b The moon and the Earth.	© The Sun only.	d The Earth only.
59	The Sun is a star	that gives out a ver	y big amount <mark>of</mark>	
	(a) heat only.	light only.	heat and light	d heat and sound.
	Question 02	PUT (√) OR (×)		
1	Micropla <mark>stics</mark> are aquatic life.	e large p <mark>lasti</mark> c pieces	s which <mark>can harm</mark> o	ceans and
2	If there is no hyd	drosphere, the biosp	here will not exist	
3	Wells and spring	gs obtain their wate	r from aquifers.	
4	We can drink th	e water of Lake Ass	al.	×
5	Water makes ab	out two-thirds of hu	ıman body.	
6		ng organisms live ir	7.	
7		the water of seas	5 u	30 85 Tu
8		ows from an area of	low place to an ar	ea with higher 🗶





	primary 5 - second term	111 2002
9	Leeches live on the surface of pond water	×
10	Earth's systems interact with each other.	1
11	Waterfalls are part of atmosphere.	×
12	Atmosphere and hydrosphere affect water cycle.	1
13	A glacier contains mixture of fresh water and salt water	×
14	Lakes have fresh water only.	×
15)	Cotton can be used as a filter to remove waste materials from water.	1
16	Valleys can be formed by rivers due to fast movement of river's water.	1
17	Some human activities are responsible for water pollution	1
18	Building factories is from human strategies to control and conserve fresh water.	×
19	Dams can be used to filter polluted water to use again	×
20	You can conserve water by leaving the tap open during brushing your teeth	×
21	Upstream is the place where a river starts.	1
22 23	The type of water in wetlands is salt water only. High quality of fresh water leads to the death of marine organisms live in it.	×
24	Scarcity and conservation of fresh water are two main risks that threaten fresh water on Earth	*
25	All living organisms need water to survive.	1
26	Generating electricity is from the uses of water.	Y
27 Next Concep	When fresh water is polluted, it becomes drinkable.	Y
28	Earth revolves around the sun in a fixed path.	1
29	All objects on Earth's surface are affected by magnetism force.	×
30	Magnetism is the force that attracts metals.	1
31	Any object on Earth's surface is affected by repulsion force of gravity	×
32	The orbit of each planet has an elliptical shape.	1
33	Air resistance is a factor that speeds up the falling objects toward the Earth.	×
34	Gravity pulls objects toward the centre of Earth	
35	The scientist Nicolaus Copernicus stated that Earth revolves around the Sun.	Y
888 III		



primary 5 - second term



There is no air in space, so air resistance slows down the movement of objects through space. Air resistance is a type of pulling force. 38 The direction and mass of an object are changed due to gravity. 39) After leaving a squeezed spring, it has no force to return back to its original state. 40 The moon phases occur due to the rotation of Earth on its We can observe the Sun and the moon at night. 42 × At the beginning of the day, the Sun appears in the west direction 43 Our solar system contains eight planets. 44 × The scientist Copernicus proved that the Earth is the center of the solar system. 45) The moon has only one phase during the lunar month. 46 Superhot gases of the Sun burn producing heat and light energies. 47 Earth's revolution around the Sun causes day and night phenomenon 48 The Sun is necessary for continuity of life on Earth. (49) The cycle of the moon phases repeated at the beginning of lunar month . **Question 03** Complete the following sentences using words between brackets A rat that digs a burrow in the soil is an example of the interaction Œ between biosphere and [hydrosphere - geosphere] The Earth's system that includes all living organisms is called [biosphere - atmosphere] Water runs across the land is an example of an interaction between (3) [biosphere - hydrosphere]and geosphere. (4)When a river meets a sea,is formed. [estuary – lake] The large sheet of ice or snow that moves slowly over Earth's surface is (5) known as [glaciers - hydrosphere] The scientists who study water on Earth are called (6) [hydrologists - astronauts] Water is responsible for weathering andof rocks. 7 [evaporation - erosion] Abyssal zone in the ocean is a dark area as.....cannot reach it. (8) [sunlight - sound]

Starfish and Moses fish live in [oceans – ponds]



The amount of fresh water on Earth isthan the amount of salt water. [more - less] 97% of Earth's water is [freshwater – saltwater] In high Dam, water used to generate [electricity – light] (13) The run out ofcauses wells to become dry. [groundwater – runoff] (14) We must take a quick shower to conserve ...,.. [saltwater – freshwater] To conserve water, we canthe time of washing our hands. (15) [increase – <u>decrease</u>] (16)Some human activities may cause water [erosion – pollution] An area of land where all the water flows to a common location is called (17) [lake - watershed] Deltas are formed by the deposit of sediments at the end of (18) [underground - river] The extinction of some species that live in fresh water is due to the poor (19)of fresh water. [quality – source] When the water is stored in the cracks and spaces of underground rocks, 20is formed. [estuary – groundwater] The land that is partially covered with water is called (21) [wetland - lake] Human canwater to recycle wastewater to be used again. (22) [freeze – filter] (23) Clear water can be polluted if it is mixed with [mud_- salt] (24) Groundwater is replaced by [air - rains] The direction of the Earth's gravity is always towardof the Earth. (25) [poles - center] (26) Any object hasdepending on its mass. [gravity – work] (27) Planets revolve around the Sun inorbit. [triangular – elliptical] (28) The force of gravity is alwaysforce. [magnetic – pulling] The force that opposes the movement of objects as they pass through air (29) is called [air resistance – gravity] The force that slows down the movement of objects across solids, liquids (30) or gases is called [magnetism – friction] When a girl moves down a slide, this is due the force of

Without the force of gravity, the moon wouldoff into space.



[sink - float]

[moving - gravity]

(31)

(32)



- Earth is pulling the moon, keeping it in itsaround Earth.
 [orbit circle]
- Magnetism is a force that attracts objects. [metal non-metal]
- Force may be push orthe object to make it move. [pull repel]
- A person can control the speed of his bike by usingto slow down its movement. [magnet brakes]
 - When the distance between the moon and the Earth increases, the
- The group of stars that make a certain shape in the sky is called

 [constellation Sun]
- The Earth spins around its axis once every ... [30 days 24 hours]
- The half of Earth that doesn't receive any light has...[day night]
- The fastest planet on its axis is [Earth Jupiter]
- 43 Ancient Egyptians used to know the time. [sunset sundial]
- Constellation is one of the most famous constellations in the sky.

 [Orion Milky Way]
- The Sun appears as it rises in east direction and sets indirection.

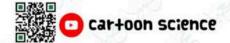
 [north west]
- In the early morning the Sun would be atdirection. [east south]

Question 4

Write scientific term for each of the following

- A type of water which represents 3% of water area on the

 Earth's surface freshwater
- The process in which the small particles of rocks are transported from a place to another erosion
- Areas of the ocean which contain coral reefs and intertidal shallow areas
- The plastic particles that result from the breakdown of large plastics.
 microplastics
- 6 The water bodies that surround the continents. oceans
- It is a system that includes all living organisms such as microorganisms, plants, animals and humans biosphere





	primary 5 - second term	أ. محمود سعيد
8	It is a system that includes all the gases that surround the Earth.	atmosphere
9	They are very deep areas in oceans that sunlight cannot reach.	Abyssal areas
10	It a large region of the world that has similar soil, climate, plants and animals.	biome
1		water cycle
12	The area of the coast that disappears underwater at the high tide and appears at the low tide.	intertidal zon
13	dac to the chief of while, weller of temperature.	weathering
14	A water body that is surrounded by land	Lake
14	A type of pollution which occurs as a result of throwing waste in rivers and seas	water pollution
16	A triangular shaped area of mud and other sediments that forms when a river meets a sea	delta
17	It is an area of land where all the water flows to a common location usually an ocean, a sea or other large water bodies	watershed
18	It is a land area which is partially covered with water	wetland
19	The large water body that is surrounded by land	Lake
20	A building established across a river which can hold water behind it.	Dam
21	The type of water which is found in seas and oceans	saltwater
22	A type of water which is suitable for drinking.	freshwater
Next Con	The force of attraction that changes the direction of a moving object in air towards the ground	Gravity
24	It is a pull or push that affects an object	Force
25	An invisible force that attracts metal objects to the magnet.	magnetism
26	The Sun and eight planets revolving around it.	solar system
27	A phenomenon takes place in oceans and seas due to the gravity of the moon	ocean tides
28	The force that slows down the movement of objects through air.	air resistance
29	The tool that is used by skydivers to slow his drop.	Parachutes

A celestial body that orbits the Earth

30

The Moon

primary 5 - second term



Orion

31	The change of an object position when force acts on it.	Motion
32	The force between two objects that don't touch each other	Non-contact force
33	The force between two objects that touch each other	Contact force
34	They are giant spheres of superhot gases most of them are hydrogen and helium.	Stars
35	A dark object that revolves around Earth and reflects the sunlight falling on its surface	The Moon
36	An imaginary line that passes through the two poles of Earth.	Earth's axis
37	The sun and eight planets revolving around it.	Solar system
38	It is a group of stars, planets and gases held together by gravity.	Galaxy
39	The law which states that the force of gravity is constant and acts on all object in the same way.	Law of Motion
40	The orbiting of Earth around the Sun	Earth's revolution
41	It is a medium-sized star that provides Earth with heat and light	The Sun
42	The dark celestial bodies that revolve around the Sun in fixed orbits	The planets
43	A constellation appears in the sky as a mythical hunter.	Constellation Orion

Question 5

correct the underlined word

1	During the water cycle, water evaporates forming rains.	water vapour
2	When rain falls on soil, this represents an interaction between biosphere and geosphere	hydrosphere
3	Nitrogen in the air is a part of geosphere.	Atmosphere
4	As water covers ¾ of the Earth's surface, our planet appears in white colour from space	blue
(5)	When the fresh water of a river meets the salt water of a sea, runoff is formed.	an estuary
6	During the water cycle in nature, water evaporates forming rains	clouds
7	The atmosphere includes all forms of water on Earth.	hydrosphere
8	Frogs lay their eggs in <u>running</u> water, so the eggs will not move away	still
9	Throwing waste materials in seas and oceans causes <u>air</u> pollution	water

primary 5 - second term

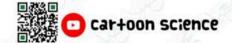
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10	Fresh water forms about 97% of water on Earth.	3%
11	Planets orbit Earth due to the gravity between them	Sun
12	Earth pulls objects towards its moon	center
13	The gravity of the Sun affects the ocean tides	moon
14	The gravity force of Earth to a person in a flying airplane is equal to that when the same person stands on the ground	less than
15	The Earth locates at the center of the solar system	Sun
16	The planets revolve around the Sun in fixed <u>rectangular</u> orbits	elliptical
17	Earth attracts the <u>Sun</u> to move around it.	Moon
18	If the mass of the moon <u>decreases</u> , its gravity force will increase.	increases
19	The Sun forms the shorter shadow of an object at <u>the</u> morning.	noon
20	The Earth spins around its axis once every 20 hours.	24
21	Constellation consists of a group of planets that form a pattern	stars
22	Every night, new stars appear from west.	east
23	Jupiter revolves around the Sun in a rectangular orbit	oval
24	The phenomenon of <u>four seasons</u> occurs due to rotation of Earth on its axis.	day and night
25	First phase of moon phase appears at the beginning of each lunar month	first crescent
26	Phase of moon which appears in the half of the lunar month	full moon
27	Phase of moon which appears in the last day of the lunar month	New moon
28	The moon phase at which moon seems completely dark	New moon

Question 06

Give reason for each of the following

- Not every water sources is used as drinking water.
 - because humans cannot drink salt water but they drink fresh water only
- No green plants can survive in the abyssal zones of oceans. because the abyssal zones don't receive sunlight that important for making food in plant by photosynthesis process
- Mosquitoes lay their eggs in ponds.
 because ponds have still water so the eggs will not move away





- Our planet looks like a blue marble from the space. because more than 70% of Earth is covered by water
- Some ponds and lakes may dry up during some months.
 because when temperature increases in summer, water evaporates faster
- 6 Hiding of ants inside the soil is an example of an interaction between two Earth's spheres
 - because ants belong to biosphere and soil belongs to geosphere
- 7 The kind of water in oceans differs from that in rivers.

 because oceans contain salt water while rivers contain fresh water
- Recycling the plastic bottles is better than throwing them in seas and oceans.
 - because plastic pollutes water and affects the survival of aquatic organisms
- More than 50% of known living organisms live in the aquatic environments.

 because water covers about 70% of Earth's surface
- Scientists tend to preserve freshwater sources on Earth.

 because the amount of fresh water is limited on Earth
- (1) Groundwater is called by this name.

 because it is stored in the cracks and spaces of rocks
- Deltas are formed at the river's end.

 because when river's water slows down, sediments are deposited at river's endpoint forming deltas
- The quality of fresh water affects the life of living organisms live in it.

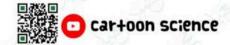
 because it leads to death of thousands of living organisms and extinction of some species live in this water
- The force of gravity has an important role in the solar system.

 because it keeps the planets revolving around the Sun in fixed orbits
- (15) Gravity of Earth is greater than gravity of the moon.

 because the mass of Earth is more than the mass of moon
- A metallic ball reaches Earth's surface before a feather when they fall from the same place at the same moment.
 - because air resistance affects the feather more than the metallic ball
- 17) The moon moves around the Earth.

 due to the gravitational force between them
- 18 The atmosphere is kept around the Earth.

 due to the Earth's gravity
- 19 The Sun appears larger and brighter than other stars.
 because the Sun is the closest star to the Earth



Atmosphere limits the using of some telescopes to see distant celestial bodies.

because atmosphere allows some light waves to pass to Earth and it blocks others

- 21) Stars appear bright in the sky at night. because stars produce light
- Occurrence of seasons on Earth.

 Due to revolution of Earth around the Sun
- Moon has different phases during its rotation around lunar month

 Because moon revolves around the earth in an elliptical orbit
- Although Earth rotates on its axis, we don't feel its movement. because we are moving with the same speed of Earth

Ouestion 07

What happens if?

- 1 Plants can't get carbon dioxide gas from air.
 plants can't make their food by photosynthesis process
- The egg of a frog if it lays its eggs in a river instead of a pond. the eggs will move away with the running water of the river
- 3 The state of water when it is subjected to extreme cold weather. it will change into solid state (ice)
- Fresh water of a river when it meets the salt water of a sea. an estuary is formed
- Aquatic organisms eat pieces of plastics instead of their real food. aquatic organisms get harmed
- We compare the rainforest biome with the desert biome. climate, plants and animals are different in the two biomes
- Animals that live in lakes if they dry up. they have to adapt or they will die
- The state of water when it is subjected to extreme hot weather.
 It changes from liquid to gas
- People don't conserve fresh water.

 the amount of fresh water on the Earth will decrease.
- Water is collected in a low-lying area.

A lake is formed

11 The quality of fresh water becomes poor. it leads to death and some species extinct



(12) The river water meets the sea water.

An estuary is formed

(13) The rate of rainfall increases on a river.

The level of water in this river will increase causing flooding

- (14) The gravity of the Sun if its mass decreases than it is now. The gravity of the Sun will decrease
- (15) A metal ball and feather are fallen down from a tower.

The metal ball will reach the ground first

- (16) The planets if the Sun has no gravity. they will float off into space
- (17) There is no gravity on Earth. All objects on its surface will float off into space
- (18) The distance between the moon and Earth increases to twice. the gravitational attraction between them would become smaller
- (19) The mass of the moon decreases to half. The moon would have less gravity
- 20 Earth stops spinning on its axis. Day and night phenomenon will not happen
- (21) The shadow of an object if the Sun locates at east or west in the sky The shadow will be the longest
- 22) Stars are not made up of hot gases. they will not give their own light and seem dark bodies
- (23) The Sun moved farther away from Earth. The thermal and light energy that reach to Earth will decrease
- The moon completes one revolution around Earth The phases of the moon are repeated

Question 08

cross the odd word

- 1 2 3 4 5 6 Water – oxygen – nitrogen – carbon dioxide. water Rivers – rainwater – gulfs – groundwater gulfs Streams - Ponds - Rocks - Rivers Rocks
- Water sand soil rocks water
- Ponds oceans rains glaciers oceans
- Nile River Ocean Lake Assal Sea. Nile River
- Crescent full moon earth new moon Earth

Question 09

Complete the following using words between brackets



[fresh – clouds – crust – salt – mantle – raining]

- The Earth consists of 4 layers which are the ...crust.., the ...mantle...and outer and inner core.
- Most lakes havefresh......water, while some other lakes havesalt.....water.
- During the water cycle in nature, water evaporates formingclouds...., then it returns back to the Earth's surface duringraining.....



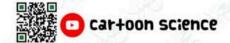
[Hydrosphere – low – aquatic organisms – sunlight – high – water – wind – biosphere – saltwater]

- Intertidal zone is the area along the ocean between thehigh.....tide andlow.....tide.
- Rainwater is needed for plant growth, this is an interaction between two Earth's spheres which are ...hydrosphere...andbiosphere......
- 3 Tiny particles of plastic enter food chains when ...aquatic organisms.....eat them.
- Sea waves, ...wind....and ...sunlight...break down plastic materials into smaller particles.
- Hydrologists study the movement of ...water.....across the Earth.

3

[filter - sand - harmful -valleys - drought - charcoal-deltas - solid - decrease]

- When the rate of rainfall decreases, the level of water in rivers will ...decrease....causingdrought.....
- (2) Human can ...filter.....water to recycle wastewater to be used again.
- Water filters are used to remove ...harmful.....materials from polluted water.
- (4) Cotton,charcoal....andsand......can be used in making a simple water filter.
- Glaciers are sources of fresh water which have a ...solid... state of matter.
- When the speed of water stream becomes high, it can erode deep ...valleys...., while when speed of water becomes low it can form ...deltas.....





4

[Solar system – gravity - Earth – friction - air resistance – constant – magnetism]

- A parachute in air is affected byair resistancethat acts against thegravity.....force of Earth.
- 2 The Sun locates at the center of Solar system.....
- The moon moves aroundEarth.......due to gravity.
- Magnet can attract some objects by a force calledmagnetism......
- 5 Air resistance is a type offriction......force.
- Law of motion states that the force of gravity is..constant.. and acts on all objects in the same way.

[Earth's revolution - axes - center of the sky - speed - axis - Earth]

- 1) The planets of the solar system rotate on their axes at different speeds.
- The orbiting of the Earth around the Sun is calledEarth's revolution....., while the spinning of Earth on itsaxis.....is called rotation.
- In early morning the Sun appears in the center of the sky while at noon it appears in Earth.

Ouestion 10

Match

O

(A)	(B)
Geosphere	Contain mixture of fresh water and salt water.
Atmosphere	Contain salt water only.
3 Oceans	Contain rocks and heavy metals.
	Contain oxygen and nitrogen gases

2

	(A)		(B)	
1	Shallow areas of oceans	(1)	humans	1 - b
2	The word 'Bio' refers to	(b)	Contain coral reefs	2 - a
3	Abyssal areas of oceans	0	water	3-0
4	The word 'hydro' refers to	(1)	Don't receive sunlight	4-c

3

(A) (B)	
1 Oceans	Contain fresh water or salt water.
2 Lakes	Contain salt water only.
3 Rivers	Contain mixture of fresh water and salt water.
4 Estuary	Contain fresh water only

4

	(A)	(B)		9
1	Mosses	(1)	Earth	1 -
2	Dolphins	(b)	Live in fresh water	2 -
3	The word 'Geo' refers to	0	Live in salt water	3 -

5

	(A)	(B)		
1	Force	(3)	is a change of an obj <mark>ect</mark> position due to a certain force.	1 - d
2	Magnet	(b)	is the center of solar system.	2 - c
3	The Sun	0	Attracts metals objects.	3-b
4	Motion	(1)	Is a push or pull that affects an object.	4- a

6

(A)	(B)	34
1 Jupiter	is the center of the solar system.	4 1.
2 Earth	is the fastest planet on its axis	2.
3 The Sun	is the planet that completes one cycle on its axis in 24 hours	3 -

Question 11

Answer The Following questions

Study the opposite figures then complete the following sentences:









Figure (1)

Figure (2)

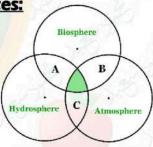
Figure (3)

Figure (4)

- Figure (...3..) is considered an interaction between hydrosphere and biosphere.
- Figure (...2...) is considered an interaction between geosphere and biosphere.
- Figure (... 1...) is considered an interaction between atmosphere and biosphere.
- Figure (...4...) is considered an interaction between atmosphere and geosphere.

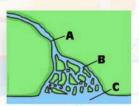
Study the opposite figures then complete the following sentences:

- Area (..C...) represents evaporation of water.
- Area (...B..) represents a green plant release oxygen gas in the air.
- Area (..A...) represents an animal than drink from lake.



Study the opposite figures then complete the following sentences:

- Water in area (...B....) is a mixture of salt and fresh water.
- Water in area (...A....) is fast enough to carry sediments easily.
- Water in area (...A..) is fresh water while water is salty in area (...C...).

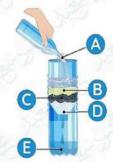


Study the opposite figures then answer the following questions:

- What is the name of the following model?
- Label the following Letters?

 A district vector R cond C charged

A... <u>dirty water</u>... B.sand..... C. ..<u>charcoal</u> D.<u>cotton balls</u>..... E. ..<u>filtered water</u>....



- **Look at the opposite figure then choose the correct answer from those between brackets:**



- 6 Look at the opposite figure then choose the correct answer.
 - (plastic paper clips metal paper clips)
 - Magnet has a kind of...... Force.
 (visible invisible)



- Study the opposite figures then complete the following sentences:
 - The following figure represents constellation.
 (Orion Scorpion)
 - Stars in constellation are to each other at all.
 (Connected not connected)
 - The position of Stars in constellation

 (changes doesn't change)
 - You can see different constellations in winter than in summer due to earth

 (revolution rotation)



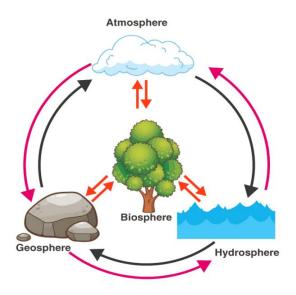
تم بحمد الله

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

Prim 5 Final revision sheet ((unit 3)) Concept 1

Scientist have divided the earth into main four systems: -

- 1- geosphere
- 2- atmosphere
- 3-biosphere
- 4- hydrosphere



First: - (hydrosphere)

It's the system that includes all of water on, under and above earth.

- Water is important for all living organisms as it founds everywhere in rivers, lakes, oceans, seas and underground
- Nearly 3/4 (70%) of the earth is covered with water, so the earth looks like a blue marble from the atmosphere. **G.R**
- Water bodies can change from liquid state to: -
 - * Solid state by freezing which found in glaciers that form cryosphere
 - * Gas state by evaporation
 - So, the total amount of water doesn't change from one state to anther Water bodies exists in: salt water (97%) and fresh water (3%)
 - (1) Oceans, gulf & seas: very large bodies contain salt water
 - (2) lakes: it surrounds by land, most of them fresh and some are salts
 - (3) rivers: come from high altitude to low altitude, contains fresh water
 - (4) estuary: it's the location on which fresh water of river meet the salt water of seas
 - (5) Runoff: formed from water of rains or melting snow of the two poles
 - (6) Underground: which forms the aquifer fresh water and
 Underground water supplies wells and sprains with water
- Water is important for life of living organisms: G.R
 Bec,1-human drink water to survive, food, bathing, cleaning dish, recreation, travelling, manufacturing

2-plants need water to grow as it makes photosynthesis process to survive and affected by decrease of water or its pollution
3-some animals and plants live in water

Water renewable resource of energy G.R
 Due to water recycle as water evaporate to form clouds which fall again during rain

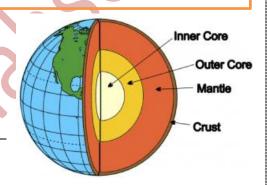


Second: - (Geosphere)

"It's the system that includes all the layers of earth which are the crust the mantle and inner and outer core" means earth

This system consists of: -

Rocks, minerals, soil, molten rocks (inside earth), heavy, sand, landform which contains (mountain or valleys)



Third: - (Atmosphere)

"It's the system that includes all the gases that surrounding the earth " means air

This system consists of: oxygen, nitrogen, CO2 and other gases

fourth :-(biosphere)

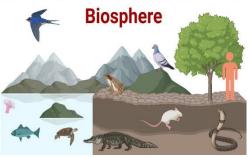
It's the system that includes all living organisms" means life

This system consists of:

All living organisms' as human, animals & plants.

Biosphere is any part of the earth that contains life, if it contains similar climate, plants, soil and sand it's called **Biome** as desert, forest, rainforest, grassland, wetland





Example for the interaction between the four system: -

Interaction between hydrosphere and	Causes: erosion of rocks and	
geosphere	formation of lakes	
Interaction between atmosphere and	During photosynthesis plants	
Biosphere	take carbon dioxide and give out	
	oxygen	
Interaction between geosphere and	During photosynthesis process	
biosphere	soil provides nutrients for	
	plants root	
During the interaction there is exchange of matter in each phenomenon		

Type of aquatic ecosystem:

Fresh water
Includes: -
A-ponds and lake (still water)
Its characterized by water all the
year but some lakes dry up in hot
summer months and animals and
plants that <u>live</u> there can adapt to
this change <u>as</u> lake Nasser and
Qaroun_ Wadi Al-Rayan
B-flowing water
Which includes rivers and stream
And they connect other bodies of
water such as lakes,oceans and seas
and many different plants and anima
in it
when meeting the salt water of
seas and oceans with fresh water
of river or lakes <mark>estuary</mark> is
formed

<u>Living organisms' that live in water bodies</u> -

	DI NOTION
Stream	Oceans and seas
1-mosses attaches	1- Kelp
themselves on rock	2- Dolphin
as algae	3- Starfish
2-catfish	4- Moses fish
3-catfish	(flounder fish)
4-crayfish	
5-trout	
	Stream 1-mosses attaches themselves on rock as algae 2-catfish 3-catfish 4-crayfish

Hydrologist study how the hydrosphere(water):-

- 1- run across the land (geosphere)
- 2- affects the living organisms (biosphere)
- 3- what happen to water in air (atmosphere)
- 4- affected by a pollution by micro plastic



	Size	Its length less than 5 mm
Formed from		Plastic wastes broken into small particle by
		wind ,sunlight and sea waves
	Found in	Everywhere on earth even the highest
		place on land or mountain and deepest part
		in oceans
Micro plastic	Harms	Micro plastic in aquatic ecosystem is more
		harmful to aquatic organisms than the large
		plastic <mark>G.R</mark>
		as the aquatic organisms can't differentiate
		between the real food and micro plastic
	Analyzing	Indian scientist studies the effect of
		micro plastic on the environment which come
		from the decayed plastic of bags, packing
		materials and fishing lines, and rivers carry
		this waste plastic to oceans

Concept 2

there are many natural resources on earth as: -

1-water

2- plants

3- metals

Water is valuable resource of energy G.R

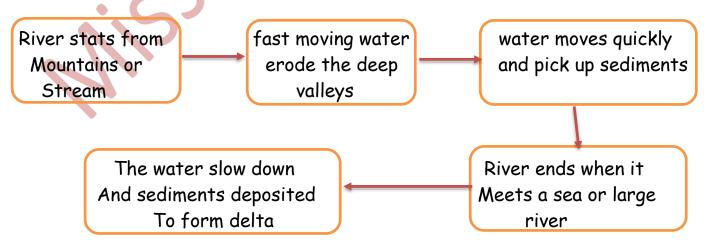
Be, all living human, animals, plants need water to survive, it forms 2/3 of human body, keep body temperature constant



	Exists in	salt water, so we must conserve fresh water from pollution as pollution kill plants and animals
	In world	<u>used in: -</u> (fishing, drinking, operating, washing,etc)
Water	In Egypt	used in: - 1- generating electricity (high dam in Aswan). 2- agriculture (upper Egypt) This strategy causes imbalance of water
		and leads to drought of some places or flooding in other places
		1- drink more juice instead of water2- turning of water tap when brush your teeth3- taking a quick shower
	To conserve Fresh water	4- turning off the water while washing your hair

Some water bodies in details: -

First: rivers



Delta "is a triangular shape area of mud and other sediments".

Second: lakes

They are large bodies of water in low-lying areas, surrounded by land





Third: -wetland

Fresh or salt, area above the ground partially covered with water as swamps

Fourth: -estuary

Salt water mixed with fresh water when river meets sea water or oceans and its home of thousands of plant and animals

Fifth: - ground water

Its fresh water, stored in cracks and spaces underground water (the underground water in earth greater than the river and seas water)

Sixth: - oceans

Its salt water, surrounds the continents, and all oceans connected to each other, the floor of oceans contains: - mountains, plains and plateaus



Seventh: -watershed

Its area of land where water from different sources flows towards a common location from oceans, seas or other large water bodies

But if: -

1-There is more rainfalls	The level of water in rivers or stream will
	increase Causing floods
2-There is too little rainfalls	The level of water in rivers or stream will
	decrease Causing drought
3-There is water balance	The rivers or stream will have constant source
	of fresh water

You know that: -

10% of the world animals lives in fresh water habitat, but the poor quality of fresh water <u>leads to</u>: -

- 1- Death of thousands of living organisms every year
- 2- Extinction of living organisms that live in fresh water

By making a model to filter water from harmful materials to get filtered water, human can use it in many purpose



The most important give reasons in unit 3:

1-water can affect nonliving things as rocks

Be it causes weathering and erosion of rocks

2- our planet look like blue marble

Be more than 70% of earth covered with water

3-hiding the worms inside the soil is an example of interaction between two earths spheres.

Be worm is an example of biosphere but soil example of geosphere

4-importance of atmosphere for plant in making food

Be plants take CO2 from air during photosynthesis process

5- more than 50% of known living organisms live in aquatic environment Be water covers 70% of earth covered with water

6-most of the fresh water on earth can't be used for drinking Be most of fresh water on earth in the form of frozen water

7-no green plants can survive in abyssal zones of oceans
Be abyssal zones don't receive sunlight which is important for making food in plants

8-mosquitoes lay their egg in ponds

Be pond is still water so eggs will not move away

9- recycling the plastic bottles more bitter than throwing them in seas and oceans

Be plastic pollute water and affect the life of aquatic living organisms

10-you should turn off water tap during brushing your teeth

To conserve fresh water

11-delta is formed at the river end

Be when river water slow down, sediments deposited at river forming delta

12-ground water is called by this name

Be it stored in cracks and sprains underground rocks

13-the quality of fresh water affects the life of living organisms

Be it lead to death of thousands of living organisms and their extinction

14- wastewater engineers test the treated water

To make sure that the water become safe before used by human

15- scientist tend to preserve freshwater sources on earth

Be the amount of fresh water is limited on earth

What happen when?

1-The water subjected to extreme cold weather
It will change to solid state

2-Fresh water meets a salt water

An estuary is formed

3-Plants can't get carbon dioxide from air

They can't make photosynthesis process or their foods

4-We compare the rainforest biome with the desert biome

Climate, plant & animals will be different in the two biomes

5-The lake dries up (what happen to animals)

They will adapt to the change or they will die

6-The egg of insect is laid in river instead of ponds

The egg will move away with the running water

7-Aquatic organisms eat plastic instead of the real food

They will get harmed

8-People don't conserve fresh water

The amount of fresh water will decreases

9-Water is collected in low -lying area

Lake is formed

10- The quality of fresh water become poor

It leads to death of living organisms or their extinction of aquatic living organisms that live in fresh water

11- The rate of rain water increases in river

Floods occurs

12- Mixing clear water with mud

It will form dirty water

The most important scientific term: -

Geosphere	It's the system that includes all the layers of earth which
	are the crust, the mantle and inner and outer core
Hydrosphere	It is the system that includes all of the water on, under
	and above earth
Atmosphere	It's the system that includes all the gases that surrounds
	earth
Biosphere	It's the system that includes all living on earth
Biome	It's a large region of the world that have similar soil,
	climate ,plant and animals (wildlife)
Watershed	It's an area of land where water from different source flow
	common location usually an oceans , asea or other large wate
	body



((unit 4)) Concept 1

Gravity:

- -The force of pulling objects with mass to the center of earth
- -The force of attraction between objects, keeps objects on earth.
- -The gravitational pulling force between sun and celestial bodies in solar

system, keeps planet revolve in fixed oval (elliptical) orbit around the sun

- -The gravity of moon affects the ocean tides and keep moon rotate around the earth
- -It occurs between two objects even if they don't touch each other and if the mass of object increases the gravitational force increases. (vice versa).



- changes the direction of anything you through into air to fall downwards the ground
- -gravity is invisible force, you can't see it but you feel its effect as it keeps atmosphere around the earth, hold things to the earth, skydivers and their parachutes pulled downwards earth's surface
- -object with more mass pull objects with less mass.

Nicolaus Copernicus who discovered that earth revolve around the sun, and earth revolve around the sun at a speed 107000km/hr

If there is no gravity?

- 1- If you drop a ball it will not fall on the earth
- 2-The boy on the slide will not slide down
- 3- the moon will float off into space

If the mass of moon become twice its real mass?

The gravity of moon will increase so it will pull closer to earth and may crash with earth



If the distance between the moon and the earth become twice ..?

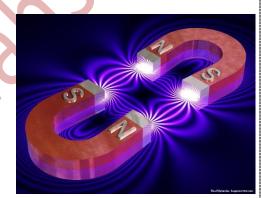
The gravity between both of them would become smaller.

Forces: - It is needed to make object move.

- It is a pull or push that applied to object in different direction.
- Some force is weak like pushing toy car, some force is strong like pushing a real car
- It occurs between any two objects even if they in contact or noncontact as: -
 - 1-the magnet doesn't need to touch paper clips to attract it
 - 2-the earth doesn't touch moon to attract it
 - 3-the sun doesn't touch planets to attract them

Type of force

1- Magnetism: it's the invisible force can't be seen of attraction or repulsion between two magnets or between a magnet and object as paper clips and metallic objects as iron, nickel or cobalt



- 2- Wind force: -which is pushing force of blades of a wind turbine to move.
- 3- Spring force: which is pushing force when you squeeze a spring
- 4- Gravitational force: which is pulling force and attract object to fall on the earth surface, object with large mass has more gravity and object with low masses have low gravity
- 5- Friction force: it's a type of force opposite the motion of body through air, water or solid objects
- 6- Air resistance: it's a type of friction force opposite the movement of objects through air

Example1: -

If the skydiver opens his parachute it gets filled with air due to upwards flow of wind that cause air resistance which slow down the skydiver speed and fall to earth safety



Example 2: -

If you drop a feather and hummer at the same time from a height, the hummer will reach earth first as the air resistance effects on the feather which slow down its falling.

But imagine there is no air resistance, you will find that the feather and the hummer will reach the earth at the same time G.R Be, gravity acts on all objects in the same way.

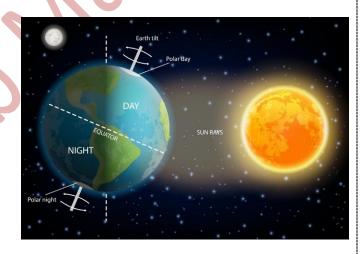
(((Concept 2)))

Due to rotation of earth around itself:

- 1- The cycle (pattern) of day and night
- 2- The sun, planet and stars appears to move across the sky, sun rise from east and set from west

(Jupiter is the fastest planet rotate around its axis)

3- Shadow of objects to move throughout the day and the sun causes formation of shadows



Cycle of day and night: -

Earth spins every day (24hr) by speed 1600km/hr around its axis with very high speed and we rotate with earth with this speed so we can't feel that its moving.

Due to this rotation half of the earth faces the sun and this part have day time, the other half of earth faces away the sun so they have night.

Earth axis: -

Its imaginary line passing through north pole and south pole of earth

When you are facing the north direction of earth:

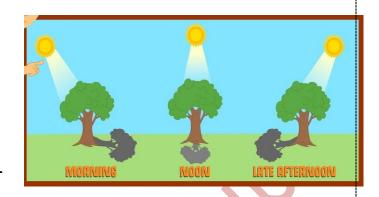
In early morning: the sun rising from east (right hand).

At noon: the sun would be above

you in the center of sky.

Afternoon: the sun would be to set

from west (left hand).



If you change your direction facing north or south the sun always rise from east and set from west.

Rotation means: - spinning of object around its axis as earth rotate around its axis causing cycle of day and night

Revolution means: -orbiting of an object around anther object as earth revolve around the sun causing the cycle of four seasons.

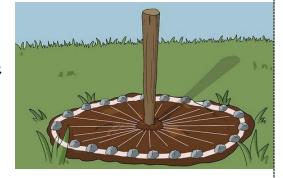
Cycle: - it's a serious of events that is repeated in the same order

Earth rotate counterclockwise around its axis The ancient Egyptian

Invented the first time piece (sundial) and from it we can conclude that: the change in the position of sun in the sky due to the earth rotation effects on the length of shadow line and their angle throughout the day

As at noon: the length of shadow is short

At morning and afternoon: the length of shadow is longer



Factors affecting the length of shadow and angle

1-position of the sun in the sky

2-the amount of sunlight that reaches earth surface in different seasons

Constellation: -

It's a group of stars that forms a pattern or looks like a certain shape in the sky

- Stars that form constellation are not connected to each other but if you imagine a line join this objects together, it will look like a shape of animal or person or an object
- Stars don't move in the sky but they seem to be move due to rotation of earth around its axis
- You can see many constellations in the sky during different time due to earth revolution around the sun



- You can see more constellation in winter more than summer, other constellation may be not visible from where we are on earth
- Every night new stars appears from east
- Location of constellation in the sky help us to know the four direction



- 1-stars make their own light from hot gases
- 2- may be small, medium or large and our sun is medium but we see it large as it's the nearest star to us and it is the biggest object in the solar system.
- 3- the sun provides the earth heat and light as it necessary for continuity of life on earth.
- 4-stars are closer to north and south pole
- 5-they are giant spheres of superhot gases of hydrogen and helium
- 6- stars appears bright due to burning of most of gases

Plants and moon don't make their own light; moon reflects the sunlight that falls on its surface.



1-the moon is attracted to the earth

Due to the gravity between moon and earth

2-the gravity between two objects is affected by the distance between them

Be when the distance between them increases the gravity decreases

3-the force of gravity has an important role in the solar system

Be it keeps planet revolve in fixed orbit around the sun

4-paper clips are pulled towards the magnet

Due to magnetism force

5-the ball changes its direction after we through it upwards

Be the gravity always pull it downwards

6-gravity of earth is greater than the moon

Be the mass of earth is greater than the moon

7-Skydivers open their parachute during their landing

Due to air resistance force and to decrease its speed

8-when you press on the bicycle brake its speed will stop moving.

Be brake increases the friction force which

9- some iron nails are attracted to the magnet.

Be magnetic force attracted them to the magnet

10-air resistance affects the object that falls from height

Be it slow down it during movement

11-a feather take a long time to reach the ground than a hummer

Be air resistance affects the feather greater than the hummer

12-occurance of day and night

Due to rotation of earth around its axis

13-half of earth appear dark at night

Be it doesn't receive sunlight of the sun

14-the sun appears as it moves across the sky

Due to rotation of earth around its axis

15-occuracnce of seasons

Due to revolution of earth around the sun

16-although earth rotate around its axis we don't feel its rotation

Be we rotate with the same speed with the earth

- 17-the length of shadow of an objects changes throughout the day Due to change of the position of the sun in the sky
- 18-in the night sky some stars seem to rise and set like the sun Due to rotation of earth around its axis
- 19- the moon appear bright in the sky
 Be it reflect the sunlight of sun
- 20-stars in desert helps us to determine our correct way

 Be the location of constellation in the sky helps us to know the main four

 direction
- 21 the sun looks much larger to us than other stars
 Be the sun is the nearest star to us
- 22-stars appears bright at the sky at night Be stars produce light

What happen when?

1-the distance between the earth and the moon increases twice

The gravitational attraction force will decreases

2- the mass of the moon decreases to half

The gravity of moon will decreases

3-you squeeze a spring then leave it free

The spring will go back when you leave it

4-there is no gravity on earth

All object on earth will float in the space

5- the gravity of sun disappear (plant?)

They will leave their orbit and float into space

6-the skydiver open the parachute (speed?)

The speed will decreases

7-a metallic ball and feather are thrown form a tower

The metallic ball will reach earth first

8-there is no air resistance and two objects with different mass thrown from the same height

They will reach the ground at the same time

9-earth doesn't rotate around its axis

Day and night will not occur

10-half of earth face the sun

This half will have day time

11-earth completes its spinning on its axis in 12 hours only

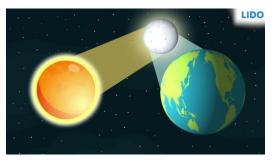
Day and night occurs

12-sunlight falls on moon surface

The sun seems bright

The most important scientific terms:

	TOTAL SOLUTION TO THE PROPERTY OF THE PROPERTY
Force	It's a pull of a push that is applied to an object
Magnetism	It's a force of attraction or repulsion between two
	magnets or between a magnet and an object
Gravity	It's the force of attraction that exists between objects
	that have mass
Friction	It's a force that opposes the motion of a body across a
	solid surface or through a gas or liquid
Air resistance	It's a force that opposes the movement of an object
	as it passes through air
Law of motion	The force of gravity is constant and acts on all objects
	same way
Earth's axis	It's an imaginary line passing through the north and
	south poles
Rotation	It's the spinning of an objects around an axis
Revolution	Its orbiting of an object around anther object
Constellation	It's a group of stars that forms pattern or look like
	a certain shape in the sky





• *Concept 3.1*

• Choose the correct answer: -

1. Rocks are broken down by water duringprocess.		
a) Erosion b) weathering c) breathing d) evaporation		
2. aboutof the earth's surface is covered with water.		
a) 1/3 b) ½ c) ¾ d) 1/5		
3. Which of the following is a part of geosphere?		
a) Mountain b) oxygen c) worm d) river		
4. Plants and animals are parts of		
a) Hydrosphere b) biosphere c) geosphere d) cryosphere		
5. Presence of sharks in the sea represent an interaction betweenand		
a) Biosphere and geosphere b) hydrosphere and biosphere		
c)atmosphere and hydrosphere d) biosphere and atmosphere		
6. During photosynthesis process, plants take carbon dioxide gas from air which		
represent an interaction betweenand		
a) Biosphere and geosphere b) hydrosphere and geosphere		
c)atmosphere and hydrosphere d) biosphere and atmosphere		
7. 97% of earth's water is		
a) Salt water b) fresh water c) sugar water d) no correct answer		
8 is water body that surrounded by land.		
a) Sea b) river c) ocean d) lake.		
9. Estuary is a water body that containwater		
a) Only Fresh b) only salt c) mixture of fresh and salt		
10. Water can control theof living organisms bodies.		
a) Volume b) height c) length d) temperature		



• Complete the following statements: -

	1. Saltwater can be found in and	
	2. When fresh water of river meets salt water of seais for	rmed.
	3. Irrigation of plants considered an interaction betweenand	<i>l</i>
	4. The amount of saltwater on earththan amount of fres	hwater.
	5. Some ponds and lakes dry up during months.	
	6. According to the type of water, streams containwater	•
	7. Micro plastic pieces in marine ecosystem are harmfu	l
	than large plastics.	
•	write the scientific term: -	
1. 2.)
	Due to the effect of water and wind. ()
3.	The system that contain all landforms on earth. ()
4.	The system that include all water on earth. ()
5.	Area of the world that contain similar animals,	
	plants, climate and soil. ()
6.	Zones of ocean or sea that sunlight cannot reach them. ()
7.	Water body that found between cracks of rocks. ()
I	put true or false: -	
	1. Water is important for all living organisms.	()
	2. The total amount of water on earth increases as time pass.	()
	3. Water is habitat for some living organisms.	()
	4. Water change into ice in extreme hot weather.	()
	5. some animals and plants can live in aquatic ecosystems.	()
	6. wetlands and forests are examples of biomes.	()

Science is simp Mr. Mohamed El				01009887293
		the abyssal	zones in oceans.	()
8. There are	many differe	ent types of p	lants in lake Assal.	()
9. Wells and	springs get	their water f	rom aquifers.	()
10.Some pond	ls and lakes	may dry up	in winter.	()
give reason for: - 1. Water can affect	non-living t	hings such a	s rocks.	
2. Earth looks like d	ı blue spher	e from space	·	
3. Growing of algae	in oceans i	is an interaci	ion between hydrosph	ere and biosphere
what happen: -				
1. When r	iver meet a .	sea.		
 2. When w	vater expose		cold weather.	
			Concept 3.2	
Choose the correct				
1. Human can us a) Fishing	e water in a		ing except	
,	1	, I	0	
c)transportation			ects in low-lying area.	
<i>c)transportation</i> 2 <i>is j</i>	or med with			
•		c) lake	d) estuary	
2 is j	b) river	*	d) estuary Intains and plateaus.	
 is j a) ocean the floor of a) ocean 	b) river may b) river	contain mou	antains and plateaus. d) estuary	
 is j a) ocean the floor of a) ocean 	b) river may b) river e r in rivers o	contain mou	intains and plateaus.	is s



5. among kinds of wetlands areand
c) oceans and ponds d) no correct answer.
6. the amount of fresh water on earth salt water.
a) greater than b) smaller than c) bigger than d) equal to
7. among risks that threaten water areas on earth are
a) poor quality and scarcity b) conservation and quality
c) conservation and scarcity d) conservation and extinction.
8. the area of land where all water flows to a common location is called
a) wetland b) estuary c) watershed d) stream
9. in simple water filter, wastewater passes through
a) cotton – sand – mud b) cotton – charcoal – sand
c) sand- cotton – charcoal d) sand – charcoal – cotton
10. we can use To recycle wastewater to be used again.
a) filter b) dam c) generator d) bottles
• Complete the following:
1. In High Dam, water is used to generate
2. Rivers contain water, while oceans contain
3. Glaciers are sources of fresh water which have astate of matter
4. We must take a quick shower to conserve
5. Delta is formed by the deposit of at the end of
6. When the water is stored in the cracks of underground rocks, is formed.
7. The extinction of some species that live in fresh water is due to quality of fresh water.
8. Building across the rivers from human activities that cause imbalance of fresh water.
9, charcoal and can be used in making water filter.
10. To conserve fresh water, we cantime of washing our hands.



 Put true or false: 1. Water makes about two-thirds of human body. 2. Among the sources of fresh water are rains. 	() ()
3. The percentage of fresh water is higher than that of salt water, so we should conserve salt water.4. Turning off the water tap, while washing your hair is from the ways to conserve water.	()
5. Oceans are considered as saltwater bodies.	()
6. Rivers often start in mountains in the form of estuaries.	()
7. Assal lake is surrounded by land and it is a low-lying area.	()
8. The type of water in wetlands is salt water only.	()
9. There is an estuary between Nile River and Mediterranean	Sea. ()
10. Groundwater is formed in the cracks and spaces between underground rocks	()
11. Ocean's floor may have mountains, plains and plateaus.	()
12. High quality of fresh water leads to the death of marine organisms live in it.	()
13. Scarcity and conservation of fresh water are two main risks that threaten fresh water on earth.	S ()
14. Fresh water scarcity and quality are two main risks that are threatened the world.	()
15. Poor quality of fresh water leads to extinction of some species live in fresh water.16. More than 10% of the world's animal species live only in freshwater habitats.	es ()
17. We must conserve fresh water, because it is limited on earth.	()



18. Building factories is from human strategies to con-	trol and	
conserve fresh water.		()
19. Recycling of wastewater means removing waste mo	aterials fro	m it.()
20. Cotton can be used as a filter to remove waste from	ı water.	()
21. Water is considered as a nonrenewable natural res	ource.	()
• Write the scientific term: -		
1. Type of water that is suitable for drinking.	()
2. Liquid that make about two thirds of human body.	()
3. Water body that usually start at mountain as stream.	()
4. Area that partially covered with water.	()
5. Water body that surround the continents.	()
6. Triangular shaped area rich in mud and other sediments	. ()
7. Building established across river to hold water behind it.	()
8. Scientist who study water and relation between hy and all other systems.	drosphere ()
• Give reason: - 1. We must conserve fresh water.		
2. The quality of fresh water affects the living organisms that	t live inside i	t.
 What happen when: 1. People don't conserve fresh water. 		
2. We mix clear water with small amount of mud.	••••••	• • • • • • • • • • • • • • • • • • • •
		· · · · · · · · · · · · · · · ·



Concept 4.1

•	Choose the correct answer: -
<i>1</i> .	Gravity keeps the moon orbits around
	a) Sun b) earth c) itself d) no correct answer
<i>2</i> .	Earth attracts objects toward
	a) The sky b) the moon c) the sun d) its center
<i>3</i> .	Gravitational force affected by
	a)Mass only b) distance only
	c)mass and distance d) all the previous answers
<i>4</i> .	Magnet can exert Force.
	a) Pushing only b) pulling only
	c)pushing and pulling d) no correct answer
<i>5</i> .	Blades of wind turbine move by the force of
	a)water b) wind c) electricity d) magnet
6.	In contact force objects must each other for the motion of one of them.
	a) Touch b) break c) repel d) attract
<i>7</i> .	Any object has mass must have
	a) Gravity b) electric charge c) magnetism d) no correct answer
8.	is considered type of friction forces resulted from movement of object in air.
	a) Gravity b) air resistance c) magnetism d) electric
•	Complete the following: -
	1. The gravity of moon affects the ocean
	2. When the distance between two objects increase, the gravitational force between them
	······································
	3. If the mass of moon decrease, its gravity force will
	4. Any static object require to move.
	5. Magnet can attract objects by the force called
	6. Force may push or Object to make it move.

Science is simple Mr. Mohamed El-Sadany When the skydiver open hi parachute, its spec



Put true or false: -	
1. If the gravity of earth disappear the moon would float into	space. ()
2. Gravity affects only the moving objects.	()
3. Magnet has invisible force called magnetism.	()
4. Small planets have bigger gravity than big planets.	()
5. When you leave a squeezed spring, it has no force to return	rn
Back to its original state.	()
6. Magnet must touch objects to attract them.	()
7. Friction force opposes movement of object.8. Air resistance increase the speed of parachute.	()
9. The orbits of planets has an ellipse shape.	()
10. The gravity of earth keeps planets revolve in a fixed orbits	· ·
Around the sun.	()
Give reason for: -	
. Moon is attracted to earth.	
2. Gravity force affected by distance between objects.	•••••••••••••••••••••••••••••••••••••••
3. The direction of ball changes when it thrown into air.	



• What happen if: -

1. There is no gravity on earth.		
2. The gravity of sun disappears.		
3. The mass of moon increase twice.		
concept 4.2.		
* Choose the correct answer:		
1. The Earth rotates around itself once every		
a. 24 hours. b. 365 days. c. 365 hours. d. 24 days.		
2. The Earth rotates on its axis.		
a. clockwise b. counterclockwise c. from north to south d. from south to north		
3. A person can exert a weak force to move		
a. a big truck b. a toy car c. a real car. d. a very big rock.		
4. The solar system contains		
a. moons day. b. planets only. c. planets and the Sun. d. Stars and planets.		
5. At night we see in the sky.		
a. the Sun and the moon b. Earth and Sun c. the moon and Stars d. Stars and Earth		
6. The Sun forms a shortest shadow of an object		
a. at noon. b. in the morning. c. at night. d. in the afternoon.		
7. The imaginary line that passes through Earth's center is called		
a. the day. b. the axis. c. the night d. the pole.		
8. The orbiting of an object around another object is called		
a. revolution. b. spinning. c. rotation. d. speed.		
9. In late afternoon, the Sun appears in the direction in the sky.		
a. east b. west c. north d. south		



• Complete the following sentences:

	1. The planets of the solar system rotate on their at different at different
	2. In the early morning the Sun would be at direction in the sky.
	3. The orbiting of the Earth around the Sun is called, while the spinning of Earth on its is called rotation.
	4. The Earth completes one cycle on its axis once every hours
	5. The Sun appears as it rises in east direction and sets in direction
	6. Planets revolve around in fixed
•	Complete the following sentences using the words below:
	(The center of the sky - Earth-east-axis - 24 hours)
	1. Occurrence of day and night is due to the rotation of on its
	2. Earth completes one rotation on its axis once every
	3. In the early morning the Sun appears inwhile at noon it appears in
	* Put true or false:
	1. The Earth rotates on its axis faster than Jupiter. ()
	2. Rotation of Earth around its axis causes the cycle of day and night. ()
	3. The Earth has an imaginary vertical axis. ()
	4. Earth rotates counterclockwise on its vertical axis. ()
	5. Earth orbits the Sun in an oval path. ()
	6. The Sun would be above you in the center of the sky at noon and at night. ()
	7. Hubble Space Telescope and Galileo binoculars are used to see distant space objects in more details. ()



8. A galaxy is formed of a group of stars, planets and gases held together by gravity. ()							
9. The Sun provides Earth with thermal energy only. ()							
10. Stars and planets appear to move in the sky due to revolution of Earth around the Sun. ()							
11. Earth takes a whole day to make one complete turn around the Sun. ()							
12. The half of Earth that faces the Sun has day. ()							
* Choose from column (B) what suits in column (A):							
(A)	(B)						
1.Albert Einstein	a. Orbi	its around Earth.					
2. Copernicus	b. Loca	ates at the center of the solar system.					
3. The sun	c. Prov	yed that the Sun is the center of the solar systems.					
	d. Exp	lained how the Sun convers matter directly into energy.					
1	2	3					
(A)		(B)					
1.Day and night phenom	enon	a. occurs due to the movement of the Sun in the sky					
2. Four seasons phenome		b occurs when Earth completed one cycle on its axis					
3. Formation of shadows	,	c. occurs due to the revolution of the moon around Earth					
		d. occurs due to the revolution of Earth around the Sun					
1							
* Correct the underline	d word						
1.Constellation consists o	f a grou	p of <u>planets</u> that form a pattern ()					
2. Every night, new stars	appear f	rom <u>west</u> ()					
3. Jupiter revolves around	the Sur	n in a rectangular orbit ()					
Cina maggar fam							
Give reason for:							
1. The sun keeps eight pl	anets ar	nd more than 200 moons in fixed orbits around it					
2. Constellations appear	2. Constellations appear at different locations at the sky during different times of the year						
3. The sun appears as it moving from east to west							



4. The appearance of the stars as they are moving across the sky						
	5. Earth and the moon are not considered stars					
	6. Occurrence of seasons					
• What happens if:						
	1. The part of Earth that doesn't receive	ve Sunlight				
	2. Earth doesn't revolve around the Su	ın				
	3. A part of the Earth's surface faces t					
	4. A group of stars form a pattern or lo	ook like a certain shape in the sky				



Model exam one						
Question {1}: A- choose the correct answer: -						
1. During photosynthesis process, plants take carbon dioxide gas from air which represent an interaction betweenand a) Biosphere and atmosphere b) geosphere and atmosphere c)geosphere and hydrosphere d) hydrosphere and biosphere 2. the floor of						
,	,	,	d) estuary other for the motion of on	o of them		
a)Touch	b) break	c) repel	d) attract	e of mem.		
4. The Sun forms a a. at noon.			night. d. in the afterno	on		
B: give reason for:	o. in the morn	ing. c. ai	nigni. a. in ine ajierno	on.		
1. We must conserve fresh water.						
Question {2}: A: put true or false: -						
1. wetlands a	nd forests are	examples o	f biomes.	()		
live in fre	•		extinction of some spe t them.	cies () ()		
4. Earth rotates counterclockwise on its vertical axis. ()						

{B}: What happen when: -

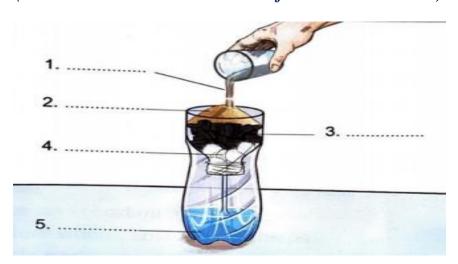
1 The Control of the	/ 1· · · · · · · · · · · · · · · · · · ·
1. The mass of moon increase twice.	(according to its gravity)



- Question three: A: Complete the following: -
 - 1. Micro plastic pieces in marine ecosystem are harmful than large plastics.
 - 2. Building across the rivers from human activities that cause imbalance of fresh water.
 - 3. Magnet can attract objects by the force called
 - 4. Planets revolve around in fixed in fixed

{B}: Label the opposite figure using the words below: -

(cotton - charcoal - wastewater - filtered water - sand)



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Model answer

Concept 3.1

1. Choose: -

1. b 2.c 3.a 4.b 5. B 6. d 7. a 8.d 9.c 10.d

2. Complete: -

oceans, seas
 Estuary
 Biosphere and hydrosphere
 more
 Fresh
 More

3. scientific term: -

1. ESTUARY 2. Erosion 3. Geosphere 4. hydrosphere 5. biome 6.abyssal zones 7. Ground water

4: true or false: -

1. true 2. false 3. true 4. false 5. true 6. True 7. true 8. False

5: give reason: -

- 1. Because water causes weathering and erosion of rocks.
- 2. Because about three quarters of earth covered with water.
- 3. Because algae belong to biosphere and ocean is part of hydrosphere.

6 -what happen: -

- 1. Estuary will be formed.
- 2. Water freezes and changed into solid state.

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concept 3.2

Choose:

4. D 2. C 3. A 4. B 5. B 6. B 7. A 8. C 9. D 10. A

Complete

- 1. Electricity 2. Fresh, salt water 3. Solid 4. Fresh water
- 5. Sediments, river 6. aquifer 7. Poor 8. Dam 9. Sand, cotton

True or false:

1.true 2. True 3. False 4. True 5. True 6.false 7. true 8. False 9.true 10. True 11. True 12. False 13. false 14. True 15. true 16. True 17. True 18. False 19. False 20. True 21. False.

scientific term:

1. fresh water 2. Water 3. River 4. Wetland 5. Ocean 6.delta 7. Dam 8. Hydrologist

give reason:

- 1. because the amount of fresh water is limited.
- 2. Because poor quality of fresh water lead to death of some species of living organisms that live in fresh water.

What happen:

- 1. The amount of fresh water will decrease.
- 2. It will become dirty water.

Concept 4.1

Choose

6.

1. Earth 2. Its center 3. Mass and distance 4. Pushing and pulling Wind 6. Touch 7. Gravity 8. Air resistance.

Complete:

Tide 2. Decrease 3. Decrease 4. Force
 magnetism 6. Pull 7. Decrease, air resistance

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True or false:

1. True 2. False 3. True 4. False 5. False 6. False 7. True 8. false 9. True 10. False

Give reason:

- 1. Due to the gravity force of earth.
- 2. Because when the distance between objects increase, the gravitational force between them decrease and vice versa.
- 3. Because the gravity pulls the ball downward.
- 4. Because mass of earth more than mass of the moon.

What happen:

- 1. all objects on its surface will float into space.
- 2. All planets would just float into space.
- 3. Its gravitational force will increase.

Concept 4.2

Choose:

1. A 2. B 3. B 4. C 5. C 6. a 7. B 8. A 9. B

Complete:

1. Axes, speed 2. East 3. Revolution, rotation 4. 24 5. West 6. Sun, orbits

Complete using words:

1. Earth, axis 2. 24 hours 3. East, the center of sky.

True or false:

1. False 2. True 3. True 4. True 5. True 6. False 7. True 8.true 9. False 10. False 11. False 12. True

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Choose from column B what suits in column A

1. D 2. C 3. B

1-B 2.D 3.A

Correct:

1. Stars 2. East 3. Oval or Ellipse

Give reason:

- 1. Due to the gravity force of the sun.
- 2. Due to revolution of earth around sun.
- 3. Because earth rotates on its axis from west to east.
- 4. Due to rotation of earth on its axis.
- 5. Because they don't emit their own light.
- 6. Due to revolution of earth around sun.

What happen:

- 1. This part would have night.
- 2. The cycle of seasons will not happen.
- 3. This part would have a day.
- 4. Constellation will be formed.



1 Choose the correct answer:-

1. All of the following are components of the atmosphere, except						
a. oxygen gas.	b. nitrogen gas.	c. molten rock	d. water vapor.			
2. Rocks are broken down into smaller particles during process.						
a. photosynthes	is	b. weathering				
c. erosion		d. respiration				
3. Which of the	e following is a pa	art of the hydrospl	nere?			
a. Water.	b. Air.	c. Rocks.	d. Plants.			
4. Which of the	e following is a pa	art of biosphere?				
Q. ice.	b. clouds	c Water	d. Animals.			
5. Mountains a	nd valleys are pa	rts				
a. geosphere	b. atmosphere	c. biosphere	d. hydrosphere			
6. Nitrogen and	d oxygen are gase	es that make most	of the			
a. biosphere	b. geosphere	c. hydrosphere	d. atmosphere.			
7. 97% of Eart	h's water is					
a salt water	b. sugar water	c. fresh water	d. frozen water.			
8. Formation of lakes is an example of an interaction between						
and	••••					
a. biosphere-hyd	drosphere	C. atmosphe	re -biosphere			
b. hydrosphere-	geosphere.	d. geosphere	- atmosphere			
9. All the following water bodies contain salt water, <u>except</u>						
a. gulf.	b seas.	c. oceans.	d. rivers.			
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	, s s s s					



Earth's surface?	C	nd between pores of r	ocks below	
. ice	b. Groundwater,	c. Oceans. d Wa	ater vapor.	
1. Hydrolog	ists study the movem	ent of across tl	he Earth	
a. air	b. rocks	c. water	d. plane	
	llowing are factors af	ffecting the breakdov	wn of plastics into	
a. sunlight	b. moon	c. wind	d. sea waves	
	aporation and its con between	densing on planet Ea	arth show an	
a. hydrosphere – atmosphere b. hydrosphere-biosphere			phere-biosphere	
c. biosphere-	geosphere	d. biosph	d. biosphere-atmosphere	
	llowing organisms ca te in seas, <u>except</u>	n be negatively affec	ted by throwing	
a. fish	b. shrim	nps c. corals	d. foxes	
5 The besi	c liquid matter which	h is needed by humar	ns, animals and	
plants to si	urvive is			
plants to si	urvive is b. water.	c. oil.	d. alcohol.	
plants to su	b. water.	c. oilof living orga		
plants to sund the plants the plan	b. water.	of living orga		
plants to sund a. milk. 16. Water can be a length	b. water. an control the b. height	of living orga	anisms bodies. d. volume	



18. Among the ways of conserving fresh water is				
a. taking a quick shower.				
o. keep faucet opening during wash your hair.				
c. drinking more water instead of juice.				
d. taking a long shower.				
19.Among the sources of water which human can use for drinking				
a. seas. b. oceans. c. saltwater lakes d. rivers.				
20. Estuary is formed when the water ofmeets the water of				
a. a river - a sea. b. a river - groundwater.				
c. a sea - an ocean. d. a sea - a wetland.				
21. The floor of may contain mountains and plateaus.				
a. wetland b. oceans c. rivers d. lakes				
22. Delta is formed when				
a.the speed of water increases.				
b.the speed of water decreases.				
c.the amount of river's water decreases.				
d.the river's water dry up.				
23. The area of land where all the water flows to a common location as ocean called				
a. tributary. b .estuary. c. wetland. d. watershed.				
24. The level of water in a river may increase causing flooding, when there is more				
مقدمة مجانا من قناة مستر ساينس على اليوتيوب أ. شريف الهواري 01001852981				



a. rainfall.	b. wind.	c. sunlight.	d. sediments.	
25. Paper of books a	are made from	•••••		
a. oil products	b. wool of sheep	c. trees	d.cotton	
26. Plastic cup is ma	ade from	products.		
a. plant	b. animal	c. oil	d. human	
27. Water cycle is c	onsidered as an exa	ample of		
a. recycling water.	b. pres	servation of wa	ter	
c. overusing water.	d. con	servation of wa	ater.	
28 ar water in wate	e special kinds of s r treatment plants.		work on recycling	
a. Hydrologists	b. <i>A</i>	Aquatic biologi	sts	
c. Wastewater engineers d. Marine biologists			ts	
29process is used to get filtered water from polluted water.				
a. recycling.	b. p	reservation		
c. sustainability	d. c	onservation		
30. All the followin except	g are from works o	f wastewater (engineers,	
a. design ways to pro	otect a community f	rom floods.		
b. calculate the amount of drinking water that a community needs.				
c. design tools that provide us with clean water.				
d. always check for	the amount of fish in	n it.		
31-Gravity keeps the	moon in orbit around	•••••		
a. Sun.	b.	Earth.		
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c. itself.	d. another moon.		
32. Earth attracts of	objects towards		
a.its center.	b. the sky	c. the moon	d. the sun.
33. Gravitational	force of Earth is a	affected by	
a. mass and time		b. mass and distar	ice.
c. mass only.		d. distance only.	
34. A boy on a slice	le moves down to	ward the ground due	to the effect of
a. the boy's height	a. the boy's height b. gravity		(0)
c. friction	c. friction c. the temperature of air.		e of air.
35. All of the follo	wings are proper	ties of Earth's gravity	y, <u>except</u>
a. it pushes objects upward. b. it affects the moon.		noon.	
c. it pulls objects downward. d. it is a type of attraction force		ttraction force	
36. Magnetism i	s a kind of	force.	
a. attraction only		b. repulsion or	nly.
c. visible		d. invisible	
37.Wind turbing	e blades move b	y the effect of	•••••
a. magnetism		b. wind	
c. electricity		d. water vapor	
38. In contact fo	orce, the two ob	jects need to	each other.
a. attract		b. repel	
c. touch		d. break	
39. A person car	n exert a weak i	force to move	•••••
a. a big truck		b. a toy car	
c. a real car	شريف الهواري 352981	d. a very big مستر ساينس على اليوتيوب أ. أ	



40. The force that of through air is	opposes the morking known as	•	ets as they pass	
a. magnetism	b. gravity	c.electric	d. air resistance	
41is considered as a type of friction force.				
a. Air resistance		b. Magnetism		
c. Gravity		d. Electric force		
42. Which of the fo	ollowing object	s has the least a	ttraction force?	
a. The moon		b. The E	Earth	
c. The Sun		d. The n	nagnet	
43. Friction force.	the mo	ovement of obje	cts.	
a. slows down		b. increases		
c. speeds up		d. doesn't affect		
44. Magnetism is a force that attracts objects made of the following materials except				
a. iron		b. nickel		
c. wood		d. cobalt		
45is a fa	actor that acts a	against gravity	force.	
a. Magnetism		b. Mass of an object		
c. Air resistance		d. Shape of an object		
46. When a basket by	ball falls down	from a height,	it is affected	
a. air resistance for	ce only	b. gravity force only		
c. air resistance and force	I gravity force	d. air	resistance and electric	



9	ets will take longer time to reach the ground if leter height at the same time?
a. An iron ball	b. A feather
c. A plastic ball	d. A hammer
48. What is the effect of air resist downward due to gravity?	stance on the speed of an object when it falls
a. Air resistance speeds up the obj	ect as it falls.
b. Air resistance doesn't affect the	e speed of an object as it falls.
c. Air resistance slows an object a	s it falls.
d. Air resistance changes the dire	ction of an object as it falls.
49. The force ofsun.	keeps the planets on their paths around the
a. air resistance	b. friction
c. gravity	d. electricity
50. Gravity isforce	e that holds all objects in their places.
a. visible pulling	b. visible pushing
c. invisible pulling	d. invisible pushing
51. The planets revolve arou	and the sun in fixedorbits.
a. oval	b. irregular
c. rectangular	d. triangular
52. The speed of Earth's rev per hour.	olution around the sun is nearlyKm
a. more than 100.000	b. more than 200,000
c. less than 100,000	d. less than 50,000
53is (are) the cen	ter of the solar system.
	c. The moon and Earth d. The sun and Earth محتمة مجانا من قناة مستر ساينس على اليوتيوب أ. شريف



54. Orbiting of Ea	rth around the	Sun causes the	• • • • • • • • • • • • • • • • • • • •	
a. cycle of day and night.		b. cycle of sea	asons	
c. increasing the speed of Earth		d decreasing	the speed of Earth	
55. The number of	f stars in the so	lar system is	•••••	
a. one.	b. eight.	c. nine.	d. two.	
56. The Earth rota	iteso	n its axis.		
a. clock wise		b. counter clo	ckwise	
c. from north to sou	ıth d.	d. from south to	o north	
57. The solar syste	em consists of s	omeand one	2	
a. Sun - planets.		b. moons - planets,		
c. planets-Sun.		d. planets-moon.		
58. Jupiter is a	and it has	on its axis.		
a. moon - highest sp	peed b	o. planet - lowest spe	eed	
d. planet - highest s	peed	d. star- lowest spee	d	
<u> </u>	x at the sky, you aked eye, <u>exce</u>	u can see all the fol	lowing celestial	
a some stars,	b the Sun.	c. the Earth.	d. the moon.	
60. The powerful g	gravitational p	ulling force of the S	Sun is related	
a. the light of the m	oon.	b. the mass of the moon,		
c. the light of the S	un.	d. the mass of the Sun.		
61. Which of the fo	ollowing staten	nents is correct?		
a. Earth orbits the n	noon.	b. the moon o	rbits Earth,	
c. Earth orbits two	stars.	d. the Sun orb	its Earth.	
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62	locate(s) at the cer	iter of our solar syst	tem.	
a. The moon and	d the Sun	b. The moon a	nd Earth	
c. The Sun only		d. Earth only		
63. We can obs		in the sky	at night that give	
a. moons	b. stars	c. planets	d. satellites	
64. Each plane	t revolves around th	e sun in a fixed		
a. system	b. circular orbit	c. straight line	d. ellipse orbit	
65. All the followance except	wing materials can	be used in simple w	ater filter model	
a. cotton.	b. oil.	c. charcoal.	d. sand.	
66. Gravity is d	lescribed as it is	force.		
a. pushing	b. contact	c. visible	d. pulling	
67. Watermay leads to drought or flooding.				
a. balance	b. imbalance	c. pollution	d. scarcity	
68. In basketball game, which force opposes the motion of the ball in the air?				
a. Air resistance	b. Magnetism	c. Gravity d.	Wind force	
69. Most of wat	ter on Earth is	•••••		
a. mixture.	b. freshwater	c. saltwater d.	sugary water	
70. A force that is arises between two attached surfaces leading to slow movement is calledforce.				
a. Gravity	b. Friction	c. Magnetism	d. wind force	
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71. Filters can be by human.	used to	wastewater to b	e used again	
a. analyze	b. store	c. collect	d. recycle	
	ve in orbits around t bject in solar systen		n is	
a. hottest	b. coldest	c. brightest	d. biggest	
73. Skydiver's sp	eed decreases in the	air because		
a. the Earth's grav	ity that pulls him dov	vn		
b. the parachute fr	iction with the air			
c. air resistance af	fecting the parachute			
d. b and c				
74 water.	process means rem	noving any harmfu	ll material from	
a. respiration	b. photosynthesis	c. preservation	d. recycling	
75. What goes up	, must come down d	lue to th	ne force of	
a. air resistance	b. wind force	c. gravity	d. magnetism	
76. River or stream	ams will have consta	nt source of fresh	water in case	
a- little rain	b. more rainfall	c- water imbalance	d. water balance	
77 . As the mass of the object increases, itsincreases.				
a. movement	b. gravity	c. force	d. illumination	
78. Wind turbine	blades move due to			
a. the pulling force	e of gravity	b . The pushing	g force of the wind	
c. the pushing force	ce of air resistance	d. the pushing f	force of gravity	
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79. A group of plants and animals which line together in a large area characterized by its climate is called

a. atmosphere.

b. hydrosphere.

c. biome.

d. geosphere.

80. are formed when water collects in low-lying areas.

a. Seas

b. Lakes

c. Rivers

d. Oceans

2 Write the scientific term:-

1. A water body that is surrounded by land.	()
2. An area where the fresh water of a river meets the salt	(
water of a sea.	
3. A cycle shows the continuous movement of water from the	(
Earth to the atmosphere then to the Earth again.	
4. The process of breaking down of rocks into smaller	(
particles due to the effect of rain, water or temperature	
5. The process in which the small particles of rocks are	(
transported from a place to another.	
6. The system of Earth which contains all different	(
landforms.	
7. The Earth's system which is made up of water.	(
8. The frozen water part of the hydrosphere.	(
9. The Earth's system which consists of a mixture of gases	(
surrounding Earth	
10. The system that includes humans, animals and plants	(
on Earth.	
11. A large area of the world that has similar soil, climate,	(
plants and animals	
12. The largest saltwater ecosystems that cover large parts	(
of Earth's surface	



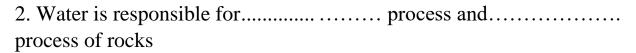
13. Areas of the ocean which contain coral reefs and intertidal zones.	()
14. The area along the coast that disappears at the high tide and appears at the low tide.	(
	6
15. A type of pollution that occurs as a result of throwing waste in rivers and seas.	()
16. The scientist who studies water and its movement	()
around the Earth.	
17. A water body that is surrounded by land.	()
18. An area where the fresh water of a river meets the salt	()
water of a sea.	
19. It is an area of land where all the water flows to a	()
common location usually an ocean, a sea or other large	
water body.	
20. A type of water which is suitable for drinking.	()
21. A building established across a river which can hold	()
water behind it.	
22. It is the liquid that makes up about two-thirds of the	()
human body	
23. a large sheet of ice of snow that	()
moves slowly over Earth's surface	
24. Tiny plastic particles that result from the breakdown of	()
larger plastics.	
25. Water that lies beneath (under) Earth's surface.	()
26. It is a land area which is partially covered with water.	()
27. A triangular-shaped area of mud and other sediments	()
that forms when a river meets a sea.	
28. A building established across a river which can hold	()
water behind it	
29. The water that is stored in the cracks and spaces	()
between underground rocks.	



30. The water bodies that surround the continents.	(
31. The effect that pull or push an object to make it move.	()
32. The force that is found between two magnets or	()
between the magnet and an object.	
33. The phenomenon that occurs due to the rotation of	()
Earth on its axis.	
34. An imaginary line that passes through the two poles of	(
the Earth	
35. The phenomenon that occurs when half of the Earth	()
doesn't t receive the sunlight	
36. A phenomenon occurs due to Earth's revolution around	()
the sun	
37. The force by which metals are attracted or pulled to a	()
magnet	
38. The spinning of Earth on its axis.	()
39A type of friction force that opposes the movement of	()
an object as it passes through air.	
40. The force of gravity is constant and acts on all objects	()
in the same way	
41. It is a force that opposes the motion of a body across a	
solid surface.	

3 Complete the following:-

1. The Earth's system	that includes	s all living org	anisms is called



3. Water bodies on Earth can change from liquid state to.......state by freezing, while they can change into.....state by evaporation.



4. Fresh water forms some water bodies such as......and some lakes, while seas and oceans and formed of.....water. 5. When a river meets a sea, an....is formed. 6. A water body that is formed of water from rain or melting of snow and moves into rivers or the ground is called 7. The Earth consists of 4 layers which are the, and inner and outer core. 8. The large sheet of ice or snow that moves slowly over Earth's surface is known..... 9. We can classify the aquatic ecosystems according to their amounts of salt intoecosystem andecosystem. 10. Abyssal zone in the ocean is a dark area as.....can't reach it. 11. Some ponds and lakes dry up in the.....months. 12. According to water movement, ponds have water while streams have..... water. 13. There are two types of water which are.....and.....and..... 14. From sources of fresh water are.....and..... 15. From sources of salt water are......and..... 16. In High Dam, water is used to generate..... 17. Glaciers are sources of fresh water which have a..... state of water. 18. When a river meets a sea, an is formed. 19. When the water is stored in the cracks and spaces of underground rocks,is formed.



20. The type of water that is found in rivers, most of lakes and streams is awater.
21. The land that is partially covered with water is called
22. Groundwater is replaced by
23. The run out ofcauses wells to become dry.
24. Plastic is made from while paper and wood are made from
25. Clothes can be made from
26. To conserve water, we cantime of washing our hands.
27. Objects move down from high place toward the ground due to the effect of
28. The moon moves arounddue to gravity.
29. Gravity pulls objects toward theof Earth.
30. When the distance between the moon and the Earth increases, the gravitational attraction between them
31. The gravity of the moon affects the phenomenon of ocean
32. If the mass of the moon increases than its real mass, its gravitational attraction
33. Magnet can attract some objects by a force called
34. The astronauts float in space due to the absence of
35. The gravity of Earth isthan that of the moon because the Earth hasmass.
36. The force that pulls objects down toward Earth's surface is called



37. When the skydiver opens his parachute the force ofmakes its speed
38. Stars seem to move across the night sky due to theof Earth its axis.
39 .Planets andcan't make their own light
40. Stars seem bright because they are made up of
41. The solar system contains eightand more than 200
4 Correct the underlined word:
.The Sun is a planet that can gives out light. ()
2. The moon seems bright as it absorbs sunlight. ()
3. <u>Earth</u> is the center of the solar system. ()
4. Both Earth and the moon complete one cycle around the Sun every24
<u>hours.</u> ()
5. Air resistance is a type of pushing force. ()
6. Air resistance force acts in the <u>same</u> direction of gravity force. ()
7. Air resistance is a factor that speeds up the falling objects toward the Earth.
3. Earth attracts the Sun to move around it. ()
9. If the mass of the moon decreases its gravity force will increase.
()
0. The gravity of Earth pulls all planets toward its center. ()
1. All of the water on Earth represents the <u>atmosphere (</u>)
2. Some ponds and lakes may dry up in winter months ()
3. Living organisms are parts of geosphere . ()
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Grade 5 - Final Revision 14. Rivers and **oceans** are freshwater moving bodies. (.....) 15. The type of water in **wetlands** is salt water only. 5 Put (\checkmark) or (*): 1. Gases which surround the Earth represents the atmosphere. 2. There are no living organisms live in the hydrosphere. 3. The water on Earth represents the hydrosphere. 4. Some ponds and lakes may dry up in winter months. 5. Rivers and streams are freshwater moving bodies. 6. Living organisms are parts of geosphere. 7. Some types of worms such as leeches live at the bottom of the ponds (8. You must decrease the time of taking your shower to conserve water 9. Water is considered as a non-renewable natural resource. 10. Adding some of mud to a clear water can pollute it. 11. We must conserve salt water because it is limited on Earth. 12. Objects are pushed away each other due to gravity. 13. The gravity of moon affects the ocean tides. 14. As the mass of an object increases, its gravitational attraction decreases. 15. Planets in the solar system revolve in fixed orbits due to the gravity between the sun

and planets.

16. Gravity pulls objects toward the center of Earth.

17. Magnetism is a type of friction force.

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18. Skydiving sport depends on gravity force and resistance force.

)

19. Friction force opposes the movement of an object.

()

20. Air resistance slows down the speed of parachutes.

).

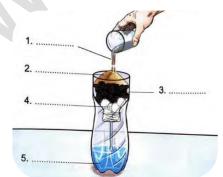
21. Magnetism is the force that attracts some metals.

()

6-Look at the following figure, then answer the questions below:

A. Label the figure using the following words:

(Charcoal-Wastewater - Cotton - Filtered water - Sand).



B. The tool above shows a simple....., and it is used to remove materials from wastewater

7-Complete the following sentences using the words below:

(Electricity - quality - rains - dam)

- 1. Building a across a tributary can change the amount of water in it.
- 2. The extinction of some species that live in fresh water is due to the poor water
- 3. In High Dam water is used to generate.....
- 4. Groundwater is replaced by



8-Complete the following sentences using the words below:

(harmful - charcoal - mud - filter - sand)

- 1. Human canwater to recycle wastewater to be used again.
- 2. Cotton,.....and...... can be used in making a simple water filter.
- 3. Water filters are used to remove..... materials from polluted water.
- 4. Clear water can be polluted if it is mixed with.....

9- Complete the following sentences using the words below:

(Orbit - gravity - float)

- 1. When a boy moves down a slide, this is due to the force of
- 2. Without the force of gravity, the moon would......off into space.
- 3. Earth is pulling the moon, keeping it in its.....around Earth.

10- Complete:-

- 1. The force between the two magnets is called
- a. gravity.

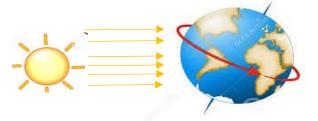
- b. magnetism
- e. contact force.
- d. wind force.
- 2.If there is a repulsion force between these two magnets so, they will move



- a. away from each other. b. toward each other,
- c. to the Earth's surface. d. to the space.



11-





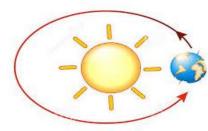


Figure (b)

- 1. Figure (A) represents cycle ofon earth.
- 2. Figure (B) represents cycle ofon earth.
- 3. Figure (A) the (rotation revolution) of earth around its axis every (12 hour -2 hours 24 hours)
- 4. Figure (B) represents the (rotation revolution) of earth around the sun every (month year 24 hours)

12- (This figure represents the solar system)

1. The body (A) is called

(The moon- the sun- the earth)

2. The shape of path (B) is

(Circular- ellipse- triangular)

3. The body C revolve around the body (A) due to the effect of

(Magnetism – friction – gravity)

13. Match

1.The word "Geo" refers to	a. water
2.The word "bio" refers to	b.earth
3.The word 'Atmos" refers to	c.life
4.The word "Hydro" refers to	d.vapour

14. Complete the following sentences using the words below:

(Geosphere - decrease - fresh)

- 1.To conserve fresh water, we can.....the time of washing our hands.
- 2. The earth's sphere that contains rocks, sand and soil is known as......
- 3. The type of water that is found in rivers, most of lakes and streams is a.....water.



15. Match

(A)	(B)
l. Motion	a. the force between two objects that touch each other
2. Contact force	b. a pull or push that affects an object.
3.non-contact force	c. the change of an object location due to force.
4. Force	d. the force between two objects that don't touch each other.

16- Give reasons for:

1. Water is important for all plants on Earth.
2. Water can affect non-living things like rocks.
3. Our planet looks like a blue marble from the space.
4. Importance of atmosphere for plants in making their food.
5. More than 50% of known living organisms live in the aquatic environments.
6. Some insects lay their eggs in ponds.
7. No green plants can survive in the abyssal zones of oceans
مقدمة مجانا من قناة مستر سانس على البوتيوب أرشريف المواري 01001852981



8. Planets revolve around the sun in fixed orbit.
9. Groundwater is called by this name.
10. The quality of fresh water affects the life of living organisms live in it.
11. We should turn off water during washing dishes
12. Paper clips are pulled toward the magnet.
13. The ball changes its direction after we throw it upwards.
14. Gravity of Earth is greater than gravity of the moon.
15. Skydiver opens his parachute during landing.
16. When you press the bicycle brake, its speed will stop moving after few seconds.
17. Some iron nails are attracted to a magnet.
18. Occurrence of day and night
19. Half of Earth appears dark at night
20. Stars seem to move in the sky.21. Cycle of four seasons.
مقدمة مجانا من قناة مستر ساينس على اليوتيوب أ. شريف الهواري 01001852981



17. What happens to...?

- 1. Animals that live in lakes if they dry up.
- 2. The eggs of a frog if it lays its eggs in a river instead of a pond
- 3. Aquatic organisms eat pieces of plastic instead of their real food.
- 4. Water is collected in a low-lying area.
- 5. The quality of fresh water becomes poor
- 6. The river water meets the sea water.
- 7. The rate of the rainfall increase on a river.
- 8. The distance between the moon and Earth increases to twice.
- 9. The mass of the moon decreases to half.
- 10. You squeeze a spring then leave it free.
- 11. There is no gravity on Earth.
- 12. The gravity of the Sun disappears.
- 13. The speed of skydiver if he opens his parachute during landing.
- 14. A metal ball and a feather are fallen down from a tower.
- 15. Earth rotates round its axis.
- 16. Earth revolves around the sun.



Model answers

1. Choose the correct answer:-

25. C	26. C	27. A	28. C	29. A	30.D	31. B	32.A
33. B	34. b	35. a	36. d	37. b	38. a	39. b	40. d
41. A	42. d	43. a	44. c	45. c	46. c	47. b	48. c
49. C	50. c	51. a	52. a	53. b	54. b	55.a	56.b
57. C	58. d	59. c	60.d	61. b	62. c	63. b	64. d
65. B	66. d	67. b	68. a	69. c	70. b	71. d	72. d
73. D	74. d	75. c	76.d	77. b	78. b	79. c	80.b

2. Write the scientific term:-

1. lake	2. estuary	3. water cycle	4. weathering	5. erosion
6. geosphere	7.	8.	9. atmosphere	10. biosphere
	hydrosphere	cryosphere		
11. biome	12. oceanns	13. shallow	14. intertidal zone	15. water
		areas		pollution
16. hydrologist	17. lake	18. Estuary	19. watershed	20. fresh water
21. dams	22. water	23. glaciers	24. micro plastic	25.
				underground
				water
26. wetland	27. Delta	28. dam	29.undergroundwater	30. oceans
31. force	32.	33.cycle of	34. earth 's axis	35. night
	magnetism	dy and night		
36. cycle of	37.	38. rotation	39. air resistance	40. law of
seasons	magnetism			motion
41. friction				



3. Complete:

1. biosphere	2. weathering,erosion	3. solid-gaseous	4. rivers- salt	5. estuary
6.runoff	7. crust- mantle	8. glaciers	9. fresh-salt	10.sunlight
11. summer	12. still- runnig	13. salt water- fresh	14. rivers-lakes	15. oceans- seas
16. electricity	17. solid	18. estuary	19. underground water	20. fresh water
21. wetland	22. rains	23. groundwater	24. oil-trees	25. cotton
26. decrease	27. gravity	28. earth	29. center	30. decreases
31. tides	32.increses	33. magnetism	34. gravity	35. more, bigger
36. gravity	37. air resistance	38. rotation	39. moons	40. hot gases
41. planets- moons				

4. Correct the underline word:-

1. star	2.reflects	3. sun	4. 1 year
5. friction(pushing)	6. opposite	7. slowdown	8. moon
9. decreases	10. sun	11. hydrosphere	12. summer
13. biosphere	14. streams	15.oceans	

5- Put <u>✓ or x</u>

1. <u>✓</u>	2. x	3. <u>√</u>	4. X	5. <u>✓</u>	6. X	7. <u>✓</u>
8. <u>√</u>	9. X	10. <u>✓</u>	11. x	12.x	13. <u>✓</u>	14. x
15. ✓	16. ✓	17. x	18. ✓	19. ✓	20. ✓	21. ✓



6-

- 1. Waste water
- 2. Sand
- 3. Charcoal
- 4. Cotton
- 5. Filtered water
- b. filter wastes
- 2. Quality **7**- 1. Dam
- 3. Electricity
- 4. Rains

- 8-1. filter
- 2. Charcoal- sand
- 3. Harmful wastes 4. Mud

- 9-1. gravity
- 2. Float

3. Orbit

- **10** 1. b
- 2. A
- 11-1.day and night - 2. Seasons - 3. Rotation-24 hour 4. Revolution – year

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12- 1. The sun

2. Ellipse

3. Gravity

13- Match

1-b 2-c

3-d

4-a

14- Decrease – geosphere – fresh

15- Match

1-c 2-a

3-d

4-b

16- Give reason:-

1. Because the plants use water in photosynthesis process.

2. Because water causes weathering and erosion of rocks

3. Because around 70% of earth are covered by water.

4. Because the plant use carbon dioxide gas in photosynthesis process.

5. Because they need water to grow, and survive

6. Because it is still water, so eggs cannot move away.

7. Because the sunlight can't reach it.

8. because of the gravity of the sun

9. Because it lies under the surface of the Earth. .

10. Because the Poor quality of fresh water leads to:

- The death of thousands of living organisms.

-The extinction of some species lives in fresh water

11. Because the amount of fresh water on earth is limited.

12. due to the force of magnetism.

13. Because the gravity pulls it downward.

14. Because the mass of earth is bigger than the moon



- 15. To slow down its speed, by increasing the air resistance.
- 16. due to the friction force
- 17. due to the force of magnetism.
- 18. Because the rotation of earth around its axis
- 19. Because it doesn't receive the sunlight.
- 20. due to the rotation of the earth around its axis
- 21. due to the revolution of the earth around the sun

17- What happens if ...?

- 1. They may die.
- 2. They will move away with the running water.
- 3. They get harmed.
- 4. A lake is formed.
- 5. It may cause the death of thousands of living organisms.
- 6. An estuary is formed
- 7. It will cause flooding
- 8. The gravity of the earth to the moon will decrease.
- 9. The gravity of the moon will decrease to half
- 10. It will be pushed back when you leave it.
- 11. Everything will float off
- 12. Planets will float off into space and leave their orbits.
- 13. His speed will decrease.
- 14. The metal ball will reach to the ground first.
- 15. Cycle of day and night occurs
- 16. Cycle of four seasons occurs.



Name:	
Class:	

Science Final Revision Model Answer

|--|

<u>1: (</u>	Choose the corre	ect answer:		
1.	At the beginning of a. clouds	water cycle in nature b. snow	e, water evaporates i c. water vapor	into the air forming d. ice
2.	97% of earths water a. freshwater	er is b. <u>saltwater</u>	c. frozen water	d. sugar water
3.	except	-		ics into microplastics,
	a. sunlight	b. wind	c. <u>Moon</u>	d. sea weaves
4.	Among the exampl live are a. rivers and seas b. oceans and tea	c. streams a	and seas	an 10% of the world animal species
5.	Water is used in all a. cooking	the following except b. <u>burning</u>	t c. bathing	d. manufacturing
6.	Which of the follow	ring is part of the bios	sphere?	
	a. Ice	b. Water	c. Cloud	d. <u>Animals</u>
7.	The number of eart	ths layers that form g	geosphere islay	ers.
	a. Two	b . <u>Four</u>	c. Six	d. Eight
8.	Hydrologist study tl a. Air	he movement of b. Rocks	across the Earth. c. <u>Water</u>	d. Plants
9.	Water can control ta. Length	heof living orga b. Height	anisms body bodies. c. Volume	d. <u>Temperature</u>

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10	are forme	d when water collec	ts in	low-laying areas	S.
a.	Seas	b. Oceans	C.	<u>Lakes</u>	d. Rivers
	roundwater is pre	sent under earth's s	urfa	ce in rocks and s	oil pores. This is an interactio
a.	Geosphere and	d atmosphere	C.	Geosphere and	<u>hydrosphere</u>
b.	Biosphere and a	atmosphere	d.	Hydrosphere and	d biosphere
	stuary have a mix				
	Groundwater ar			Groundwater and	
b.	Fresh water an	<u>id salt water</u>	d.	Rain water and s	alt water
13 \/	later covers nearly	y of earth plar	not		
	1/4	b. <u>3/4</u>		1/5	d. 1/2
u.	1, 1	5. <u>67-4</u>		170	G. 172
14. Al	I the following wa	ter bodies contain sa	alt w	ater, except	
	Gulfs	b. seas		<u>Rivers</u>	d. Oceans
					^
15. Al	I the following org	ganisms can be nega	ative	ly affected by thr	owing plastic waste in seas,
ex	cept				
a.	Fish	b. Corals	C.	Shrimps	d. <u>Foxes</u>
40.4	a	of all Michigan			
		of water which hum			
a.	seas	b. oceans	C.	salt water lakes	d. <u>rivers</u>
17 R:	ainwater is a part	of			
	biosphere	b. <u>hydrosphere</u>	C. (geosphere	d. atmosphere
<u> </u>	Licepine. 5	<u>,</u>		goodpiioio	а. соро
18. AI	I the following are	e salt water lakes, ex	ксер	t	
	Lake Assal	c. Lake Idku			
b.	Lake Nasser	d. Lake Bard	dawi	il	
19. Th	ne floor ofm	nay contain mountair		-	
a.	<u>oceans</u>	b. wetlands	C.	rivers	d. lakes
00.5				1 2	
		down into smaller pa		es auringpr	ocess.
	photosynthesis	c. <u>weatherii</u>			
D.	erosion	d. respiration	11		

21. Falling of a small t between	ree due to blowing of	strong winds is an e	example of an interaction
a. geosphere and	atmosphere	c. biosphere and h	ydrosphere
• •	nd geosphere	•	•
, ,			
22. Among animals the	•		
a. Lions	b. <u>salamanders</u>	c. dogs	d. whales
23. The amount of sal			
a. more than	b. less than	c. equal to	d. half
24 Mountains and val	love are parts of		
24. Mountains and val a. geosphere	•		d. hydrosphere
a. <u>geospilere</u>	b, aunosphere	c. biospilere	a. Hydrosphere
25. The scientists who	study water conditio	ns are called	
a. biologists	•	c. geologists	
3 3 3 3		311311	3
26. A triangular-shape	d area of mud and ot	ther sediments that f	orm when river meets a sea is
called			
a. estuary	b. <u>delta</u>	c. river	d. mountain
	_		biosphere and atmosphere?
a. Estuaries	b. Still water	c. <u>exhaled air</u>	d. atmospheric air
	c ii		
28. Coral reefs live in	· ·	•	
a. Frozen area	c. abyssal z		
b. Fresh water	d. <u>shallow a</u>	<u>areas</u>	
29. It results from the	interaction between h	vicenhere and atmos	nhere
a. Availability of o		c. <u>photosynthesis</u>	•
b. Rain falling on		d. fish swimming ir	
b. Rain failing on	iarius	a. non ownmining ii	i water.
30. Moses fish are fou	nd in		
a. Nile river	b. Burullus Lake	c. streams	d. ponds
			·
31. An example of salt	water ecosystem,		
a. Nile River	b. <u>Assal lake</u>	c. A glacier	d. Nasser Lake
32. Most of fresh water	r under earth surface	is in the form of	
a. Groundwater	b. rivers	c. glaciers	d. streams

33. All of the following	are part of the geost	mere, except	•
a. Minerals	b. <u>helium</u>	c. rocks	d. molten rocks
34. Insects lay their eg	gs in systems that fo	ound in	
a. streams	b. <u>ponds</u>	c. sea	d. rivers
35. Weathering of rock	s bv water indicates	an interaction betwe	een
a. <u>hydrosphere a</u>	•	c. biosphere and h	
	atmosphere	·	• •
b. biosphere and a	aunosphere	d. atmosphere and	mydrosphere
36. Water that covers r			
 a. fresh water in ri 	vers	c. salty water in s	eas and oceans
b. fresh water in g	roundwater	d. freshwater in gro	oundwater
37. seas and oceans w	vater meet rivers wat	er at	
a. water sheds	b. <u>estuary</u>	c. surface canal	d. underground
38. An area of land wh	ere all the water flow	to a common locati	on is called
a. river	b. estuary	c. watershed	d. mountain
39. Each planet rotates	s around the sun in a	ı fixed	
a. <u>orbit</u>	b. street	c. ocean	d. universe
40. when the mass of a	•	•	
a. decreases	b, <u>increases</u>	c. stay the same	d. is constant
44. The annuitational fa			
			ance between the objects
a. Is constant	b. increases	c. <u>decreases</u>	d. doesn't change
12. The mean revolves	around due	to gravity	
42. The moon revolves		•	d the elevate
a. Itself	b. the sun	c. the Earth	d. the clouds
42 If the distance between	woon the moon and F	Earth is doubled, the	gravity attraction between them
will	veen the moon and b	zaitii is doubled, tile	gravity attraction between them
	h doggoog	a ramain constant	d oqual zoro
a. Increase	b. <u>decrease</u>	c. remain constant	d. equal zero
11 The gravity on the	top of the mountain i	o the o	rewity on the ground
44. The gravity on the	•	ŭ	,
a. More than	b. <u>less than</u>	c. equal to	d. same as
45 io o oull on	nuch that is applied	on an object	
45is a pull or		•	d Maan
a. Gravity	b. <u>Force</u>	c. Work	d. Moon

46. Planets revolve ard a. Hottest	ound the sun becaus b. smallest	•	ect in the solar system. d. coldest
47. What prevents obje	_	•	d. Magnetism
48. If the distance betw	een the moon and E	Earth decreases by h	alf, the gravity force between them
a. <u>Increases</u>	b. decreases	c. doesn't change	d. disappears
49. Gravity depends or a. color	n theof object b. speed	ts. c. <u>mass</u>	d. temperature
50. All the following are a. A balls drops from b. A girl falls from	om your hand.	fect of gravity, exception C. a magnet attracted d. pouring oil	
51. What is the force real a. Gravitational for b. Temperature of	<u>orce</u>	ability of objects on th c. Friction force d. Magnetism force	
		e moon has a magne	
movement.			ch other andtheir
a. Speed up	b. <u>slow</u>		d. no correct answer
54. Which of the follow a. A wooden spoor b. A nickel spoon		ooon	et?
55. Magnetism is a force a. Non-metal	b. wooden	objects. c. plastic	d. <u>metal</u>
56. The sun always ris	es in thea b. south	nd travels across the c. <u>east</u>	sky. d. west
57. The sun appears n a. At night	early in the center of b. <u>at noon</u>	f the sky c. in early morning	d. in late afternoon

a. occurring of da b. Sun appears to		c. movemer	
59. We are moving wit a. Different		speed of earth c. lower	d. <u>same</u>
60. Shadows are longer	er during b. afternoon	c. noon time	d. <u>(a) and (b)</u>
61.Theaffect a. Amount of sunl b. Position of the	light	c. position of the m	noon in the sky
62is a group of a. Planet		a certain shape in the c. Moon	
63. Location of conste a. East	llation during the yea b. West		e direction of d. <u>all the previous</u>
64. The constellation (a. animal	Orion's name is relative b. plant	ve to a mythical c. <u>hunter</u>	d. place
65. Every night, we se a. Sun	e new appe b. planet	ar from the east. c. <u>star</u>	d. moon
66. Which of the follow a. Binoculars	ving help scientists to b. telescope	see distant objects c. eyeglasses	in more details? d. <u>(a) and (b)</u>
67is the wide a. Earth.	e space that contains b. <u>Universe</u>	celestial objects suc c. constellations	ch as galaxies, stars and planets. d. Galaxy
68. The scientist who pa. Copernicus	proved that the Sun is b. Galileo	s the center of the so c. Newton	olar system is d. Albert Einstein
69. The scientist who a. Copernicus	explained that the sur b. Galileo	n converts matter int c. Newton	o light and heat is d. <u>Albert Einstein</u>

Q2: Write the scientific term:

A water body surrounded by land.	Lake
2. The frozen water part of the hydrosphere.	Cryosphere
3. A cycle that shows the continuous movement of water from the Earth to	Water cycle
the atmosphere then to the Earth again.	_
4. The process of breaking down of rocks into smaller particles due to the	Weathering
effect of wind, water and temperature.	
5. The process of transporting small particles of rocks and soil from a place	Erosion
to another by the effect of water and wind.	
6. The Earth's system which consists of a mixture of gases surrounding	Atmosphere
Earth.	
7. The system of Earth which contains all different landforms.	Geosphere
8. The system that includes humans, animals and plants on Earth.	Biosphere
9. A large area of the world that has similar soil, climate, plants and	Biome
animals.	
10. The area along the coast that disappears at the high tide and appears at	Intertidal zone
the low tide.	
11. Areas of the ocean which contain coral reefs and intertidal zones.	Shallow area
12. An area where a river meets an ocean or sea.	Estuary
13. The largest saltwater ecosystems that cover large parts of Earth's	Oceans
surface.	
14. Tiny plastic particles that result from the breakdown of larger plastics	Microplastics
15. It is the liquid that makes up about two-thirds of the human body.	Water
16. A type of water which is suitable for drinking.	Fresh water
17. A water body that flows from high area to lower area.	River
18. The type of water that represents 3% of water on Earth.	Fresh water
19. The water body that is stored in the cracks and pores of underground	Groundwater
rocks.	
20. A water body that is constantly moving in the form of waves.	Ocean / sea
21. The water bodies that surround the continents.	Oceans
22. The largest saltwater ecosystem that cover large parts of earth's surface.	Oceans
23. A huge building established across a river to hold water and generate	Dam
hydroelectricity.	
24. The liquid that makes about two-thirds of the human body.	Water
25. A water body that often starts in the mountain as a stream.	River
26. A water body which contains a mixture of sea water and river water.	Estuary
27. An invisible force that pulls objects towards the center of Earth.	Gravity
28. The system that consists of the sun and the planets revolving around it.	Solar system
29. A change in the position of an object compared to another object.	Motion

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30. A force that opposes the movement of an object as it passes through air.	Air resistance
31.A force arises between two objects touching each other and slow their movement.	Friction
32. A tool used by the sky-diver to slow his drop.	Parachute
33. A fixed path that each planet revolves around the sun in it.	Orbit
34. The imaginary line that passes through the poles of the Earth.	Axis
35.A phenomenon that happens when half of the Earth doesn't receive the sunlight.	Night
36. A phenomenon that occurs due to rotation of earth around its axis.	Day and night
37. They are shiny bodies made of gases and can make their own light.	Stars
38. A group of stars that form a pattern or looks like a certain shape in the sky.	Constellation
39. A group of stars, planets and other celestial bodies held together by gravity.	Galaxy
40. The wide space that contains celestial bodies such galaxies, stars and planets.	Universe
41. They are giant spheres of superhot gases, most of them are hydrogen and helium.	Stars
42. It is a medium-sized star that appears longer and brighter to us.	Sun
43. The superhot gases that make up the stars.	Helium and hydrogen
44. A tool used by scientists to see celestial bodies in more details.	Telescope
45. The protective layer around the earth that lets some light waves through and block others.	Atmosphere

Q3: Correct the underlined word:

1.	The system that includes rocks and heavy metals is called hydrosphere .	Geosphere
2.	Water can change into <u>ice</u> in extreme hot weather.	Water vapor
3.	A <u>lake</u> always flows from high area to lower area.	River
4.	When water carries seeds of plants to new places; an interaction	Hydrosphere
	between biosphere and <u>atmosphere</u> occurs.	
5.	Water vapor moves from hydrosphere to geosphere.	Atmosphere
6.	Hydrosphere is a mixture of gases.	Atmosphere
7.	The word "hydro" refers to earth.	Water
8.	The Earth consists of 4 layers which are crust, mountain , outer core and inner core.	Mantle
9.	Most lakes have <u>saltwater</u> .	Freshwater
10	.Bats and dolphins are part of the geosphere .	Biosphere

11. The deep areas of oceans are called shallow zones .	Abyssal zone
12. Some lakes and ponds may dry up in winter.	Summer
13. The place where river and <u>lake</u> meet is called estuary.	Sea / ocean
14. Rivers and streams are saltwater moving bodies.	Freshwater
15. Water make about one-third of human body.	Two-third
16. Saltwater is found mostly in <u>rivers</u> and <u>streams</u> .	Oceans and seas
17. Saltwater represent almost 3% of hydrosphere.	97 %
18. Estuary is formed when the river meets a <u>lake</u> .	Sea / ocean
19. We can drink the water of seas.	Rivers
20. There is <u>a lake</u> between Nile river and Mediterranean Sea.	Estuary
21. The water under the earth surface is called streams .	Groundwater
22. Rivers often start in mountains in the form of estuaries.	Streams
23. Ocean is a large water body surrounded by land.	Lake
24. When there is more rainfall, the water level in rivers increases, causing drought .	Flood
25. Crayfish and trout fish survive in <u>lakes</u> .	Rivers
26. Starfish and dolphins survive in <u>rivers</u> .	Oceans / seas
27. Insects lay their eggs in still water bodies such as rivers.	Lakes / ponds
28. Salty lakes are an interaction between hydrosphere and atmosphere.	Geosphere
29. Coral reefs live in abyssal zone of aquatic systems.	Shallow area
30. Gravity <u>pushes</u> objects toward the center of earth.	Pulls
31. Magnetism is a type of friction force.	Air resistance
32. The mass of Earth is equal to the mass of moon.	More than
33. Planets revolve in fixed orbits due to the gravity between the moon and the planets.	Sun
34. As the mass of object increases, its gravitational force decreases.	Increases
35. The gravity pulls the objects toward the <u>surface</u> of the earth.	Center
36. The moon revolves around the earth due to <u>air resistance</u> force.	Gravity
37. The paper falls down toward the floor due to <u>air resistance</u> .	Gravity
38. The change of an object position is called force .	Motion
39. Magnet has an invisible force called gravity.	Magnetism
40. The gravity of the star affects the ocean tides.	Moon
41. The gravity of big planets is equal to the gravity of small planets.	More than

42. Gravity has upward-pulling force.	Downward-pulling
43. Air resistance is a type of friction between objects and water.	Air
44. The bicycle stops due to the <u>attraction</u> force between the tire and the road.	Friction
45. When the sky-diver opens his parachute, his speed of falling decreases	Air resistance
due to water resistance.	
46. A person can control the speed of his bike by using the <u>lights</u> found on the tire.	Brakes
47. Air resistance force acts in the same direction of gravity force.	Opposite
48. The earth revolves around the moon in fixed orbit.	Sun
49. The orbit of each planet has a circular shape.	Oval
50. The earth great gravity keeps all planets in their orbits.	Sun
51. Earth takes 12 hours to make a complete cycle on its axis.	24 hours
52. When half of earth's faces the sun, this part has <u>night</u> .	Day
53. Earth rotation around its axis causes the season .	Day and night
54. Earth revolve around the sun once every one day.	One year
55. In the morning, the sun appears in the north .	East
56. Earth revolution around the sun causes day and night phenomenon.	Seasons
57. The shadow of the tree is shortest in the afternoon.	Noon
58. Day and night phenomenon occur due to the spinning of earth around its moon .	Axis
59. All <u>planets</u> make their own light.	Stars
60. Stars emit their light due to the reaction between helium and <u>nitrogen</u> gases.	Hydrogen
61. The solar system contains seven planets and more than 200 moons.	Eight
62. Earth rotates on its axis in clockwise direction.	Counterclockwise
63. High quality of fresh water leads to the death of marine organisms.	Poor
64. The orbit that each planet revolve in around the sun has as circular shape.	Oval
65. The <u>moon</u> is the center of motion in the solar system.	Sun
66. The spinning of an object around its axis is called revolution .	Rotation
67. The sun exists in the center of the sky in the afternoon.	Noon
68. The main source of light and heat on earth is the constellations.	Sun

Q4: Mention:

- a. Three animals that live in streams: Catfish crayfish trout.
- b. Three animals that live in seas: Dolphins starfish sea lions whales
- c. Two sources of freshwater: Rivers groundwater
- d. Two sources of saltwater: Oceans seas

Q5: Give reasons for:

- Water is important for all plants on Earth.
 Because plants need water to make their own food to grow and survive.
- 2. Our planet looks like a blue marble from the space.

 Because it is covered with large amounts of water.
- The atmosphere is important for plants in making their food.
 Because plants use carbon dioxide in the air, to make photosynthesis.
- Mosquitoes lay their eggs in ponds.
 Because ponds are still water so the eggs will not be lost.
- 5. No green plants can survive in the abyssal zones (deep zones) of oceans.

 Because sunlight doesn't reach deep areas of oceans.
- You should turn off water tap during brushing your teeth.To conserve water
- 7. Some ponds and lakes may dry up during some months.

 Because of drought and less rainfall.
- We must conserve fresh water.
 Because its amount is limited on earth.
- 9. When you throw the ball in the air, it falls down toward the ground.

 <u>Due to gravity force of earth.</u>
- 10. The astronaut floats when he gets out of the Earth (in the space).

 Because there is no gravity in the space.
- 11. The moon revolves around the Earth in a fixed orbit.

 <u>Due to the gravitational force of earth.</u>

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12. The moon doesn't fall on Earth or collide with it.

Because the moon's gravitational force keeps it from crashing into Earth.

13. The earth's gravity is stronger than the moon's gravity.

Because the mass of earth is bigger than the mass of the moon.

14. Iron nails are attracted to magnets.

Because magnet has a magnetic force.

15. The bike stops when you stop pedaling.

Due to the friction force between the tire and the road.

16. When the skydiver releases the parachute, the speed of drop slows down.

Due to air resistance that pushes the parachute upward.

17. The sun is considered the center of movement in the solar system.

Because it has the largest gravitational force.

18. Planets revolve around the sun in fixed orbits.

Due to the gravitational force of the sun.

- 19. The sun appears to move across the sky and change its position throughout the day.

 <u>Due to the rotation of earth around its axis.</u>
- 20. The shadow of objects moves during the day.

 Because the sun have different positions in the sky due to rotation of earth around its axis.
- 21. The stars appear bright and shiny in the sky.

Because they emit their own light.

22. The moon appears bright and shiny although it doesn't make its own light.

Because it reflects the sunlight falling on it.

23. Binoculars and telescopes have a great importance for humans.

Because they help us to see distant objects in more details.

24. The sun looks much bigger than other stars.

Because it is the nearest star to us.

25. Astronauts cannot be sent to study the stars or other celestial bodies.

Because they are far away from us.

Q6: What happens if.....?

1. There is no gravity between the moon and Earth.

The moon will float away in the space.

2. The distance between the moon and Earth is doubled. (according to the gravity between them).

The gravitational force between them will decrease.

3. There is no gravity on the Earth's surface.

Nothing will stay stable on earth.

- 4. There is no air resistance when you drop a hammer and a paper at the same time.

 Both of them will reach the ground at the same time.
- Earth doesn't rotate around its axis.
 There will be no cycle of day and night.

Q7: Match between column (A) and column (B):

(A)	(B)
1) Moon's gravity	A. Causes the movement of the moon around the earth.
2) Earth's gravity	B. Makes the planets revolve around the sun.
3) Sun's gravity	C. Causes tides in the oceans.

Q8: Match between column (A) and column (B):

(A)	(B)
1) Air resistance	A. It is a force generated between two touching surfaces.
2) Magnetism	B. It is a force that opposes the movement of an object as it passes through the air.
3) Friction	C. It is a force that attracts metal objects.

1)...<u>B</u>.... 2)...<u>C</u>.... 3)...<u>A</u>....

Q9: Match between column (A) and column (B):

(A)	(B)
1) The Sun	A. can be attracted by a magnet
2) Air resistance	B. keeps the atmosphere around Earth.
3) Gravity	C. pulls all planets toward it.
4) Nickel and cobalt	D. is a type of friction force

1)...<u>C</u>....

2)...<u>D</u>....

3)...<u>B</u>....

4)...<u>A</u>....

Q10: Match between column (A) and column (B):

(A)	(B)
1) Hubble telescope	A. Are giant spheres of superhot gases.
2) Copernicus	B. A constellation of a mythical hunter
3) Stars	C. is a device used to look closer to distant objects in more details.
4) Orion	D. is the scientist who proved that the sun is the center of the solar system

1)...<u>c</u>....

2)...<u>D</u>....

3)...<u>A</u>....

4)...<u>B</u>....